


SPECIFICATIONS
FOR THE PURCHASE OF

Roof Restoration and Bat Remediation at Gabreil Daveis Tavern

FOR THE
TOWNSHIP OF GLOUCESTER


SOLICITOR


DEPARTMENT HEAD

BUSINESS ADMINISTRATOR

MAYOR

BID OPENING DATE: **December 20, 2012 11:00 AM**

SPECIFICATION: **Grants 12 - 01**

SPECIFICATION DATE: **November 29, 2012**

APPROVAL SIGNATURE PAGE
TOWNSHIP OF GLOUCESTER
COUNTY OF CAMDEN, NEW JERSEY

TOWNSHIP OF GLOUCESTER
COUNTY OF CAMDEN, NEW JERSEY

NOTICE TO BIDDERS

NOTICE is hereby given that sealed proposals for the purchase of

1. Roof Restoration and Bat Remediation at Gabreil Daveis Tavern

SPECIFICATIONS can be viewed on our web page at glotwp@glotwp.com

BID SPECIFICATION NUMBER: Grants 12-01

Will be received no later than 11:00 A.M. on December 20, 2012 at the Municipal Building, 1261 Chews Landing Road, Laurel Springs, N.J. 08012.

PROPOSALS must be addressed to the **Township Clerks Office, Township of Gloucester, P.O. Box 8, Blackwood, NJ 08012** and must clearly state **Roof Restoration and Bat Remediation at Gabriel Daveis Tavern** , and will be opened and read publicly at the above time and date, and should be in sealed envelopes.

PROPOSAL FORMS, instructions to bidders, specifications and other bidding documents may be examined or obtained at the office of the Township Clerk, Gloucester Township Municipal Building, 1261 Chews Landing Road, Laurel Springs, N.J. 08012.

THE Township Council reserves the right to reject any or all proposals in whole or in part, and to waive such informalities as may be permitted by law.

BIDDERS are required to comply with the required of P.L. 1975, Chapter 127, and P.L. 1977, Chapter 33

INFORMATION on Affirmative Action Program requirements is available at the Office of the Township Clerk.

INSTRUCTIONS TO BIDDERS

NO DEPOSIT OR FEE IS REQUIRED FOR SPECIFICATIONS

QUALIFICATIONS OF BIDDERS

All bidders must be prepared to present suitable evidence of their financial standing and to furnish a list of similar work recently completed.

No verbal instructions or information to bidders will be binding. The specifications will be considered as clear and complete unless written attention is called to any discrepancies or incompleteness before the opening of bids. Should any written inquiries be received by the Township Business Administrator, these inquiries will be answered in the form of bulletins and issued to all bidders. These bulletins shall be considered a part of these specifications.

Bids will be considered as conclusive evidence of complete examination of specifications and samples. It is understood that parties making bids accept all the terms and conditions expressed and contained in the specifications attached to the proposal submitted.

A proposal Form/Signature Page is provided in these specifications. This form must be used in submitting a proposal and all pages of the form must be completely filled out and signed by the bidder.

PRESENTATION OF BIDS

Each bid must be enclosed in a sealed envelope and clearly marked on the outside: "PURCHASE OF Roof Restoration and Bat Remediation of Gabreil Daveis Tavern ", and delivered to the Office of the Township Clerk, Municipal Hall, 1261 Chews Landing Rd., Laurel Springs, New Jersey 08021

WITHDRAWALS

No proposal may be withdrawn later than 4:30 p.m., prevailing time on the day of the opening of the bids. No modifications or explanations of any bid will be allowed after the same is sealed and delivered to the Township Clerk. The proposals will be opened and read publicly by the Township Council.

The Township Council reserves the right to reject any or all bids or parts thereof as deemed to be in the best interest of the Township and to waive any immaterial informality as may be permitted by law.

FORM OF CONTRACT

The successful bidder will be required to execute a written contract with the Township Council within ten (10) days after notice of the acceptance of their proposal.

BID BOND

Each bid shall be accompanied by a certified check, cashier's check or bid bond duly executed by the bidder as the principal and having as surety thereon a surety company approved by the Township of Gloucester in the amount not less than ten percent (10%), but in no case in excess of \$20,000.00 or the amount of bid. Any such bid bond shall be without endorsement or conditions. Bid shall also be accompanied with a certificate letter from a surety company stating that it will provide the bidder with the completion bond.

SURETY BOND

The successful bidder will be required to furnish a surety bond in the amount of one hundred percent (100%) of the contract price, the condition of which shall be in the full and complete execution and performance of each and all of the terms contained in the contract, proposal, specifications and instructions to bidders. The bond shall meet all requirements of the Township Council.

NOTE: Surety bond is automatically required when the contract price exceeds nine hundred ninety nine dollars and ninety nine cents, (\$999.99); when the contract price is under \$999.99, surety bond may be required by the Township Council if they deem it necessary and in the best interest of the Township.

Entire cost of bond(s) shall be paid for by the individuals, firms, or corporations with whom the contract(s) are entered into for the execution of any other purchases, or the furnishing or hiring of any materials or supplies.

SPECIFICATIONS

These specifications are intended to cover the furnishing of all materials and the performance of all work that may be required or necessary for the complete compliance of the contract and the contractor will be required to do all things. Where plans, drawings or schematics accompany certain sections of the specifications, these shall be considered as a part of these specifications.

INTERPRETATIONS OF SPECIFICATIONS

Should the contractor discover discrepancies in the specifications, the matter shall be immediately brought to the attention of the Township of Gloucester and the discrepancies corrected by written agreement before proceeding further.

All explanation, interpretations and instructions required under these specifications will be given by the Township upon written request from bidders.

Equipment to be furnished (if applicable) shall be new, first-class, or as specifically stipulated in the detailed specifications and shall meet with the approval of the Township Council or their designated representative.

All equipment if applicable shall conform to the requirements of these specifications and any equipment rejected by the Council as not complying with these specifications shall be immediately removed and replaced with acceptable equipment.

EXTRA WORK

No extras or additional work will be allowed or paid for unless such extras or additional work is ordered in writing by the Township and the price fixed and agreed before such work is performed.

ADDITIONS OR DEDUCTIONS

The Council of the Township of Gloucester shall have the right, without invalidating the contract, to make additions to or deductions from the work covered by these specifications and in case such deductions in cost shall be made between the Council and the contractor, but must be agreed to in writing.

PROTECTION BY CONTRACTOR

The contractor agrees to indemnify and save harmless the Township and their representatives from all suits or actions of every nature and description brought against them or either of them, or on account of the use of patented or copyrighted material, appliances, products, or processes, with legal protection.

The contractor shall not transfer or sublet any portion of the work covered by these specifications without written consent of the Township.

NOTICE: All contractors who intend to bid on this project are required to attend a Pre-Bid Meeting on Monday, December 10, 2012 at 10AM at the Gabreil Daveis Tavern, 401 Fourth Ave., Glendora NJ 08029

GENERAL CLAUSE

PROPOSAL FORMS

As noted under "instructions to bidders", attached to these specifications is a "Proposal Form/Signature Form", which must be completely filled out and signed by each bidder.

As these Instructions to Bidders, Specifications, Form of Proposal, Signature Page, General and Special Clauses, etc. all refer to each other and together constitute a whole legal binding agreement and must be returned together as when delivered to bidder.

NO BID WILL BE ACCEPTED UNLESS SUBMITTED ON THE FORMS FURNISHED HEREIN

All bids must be sealed, marked and delivered in accordance with the instructions in paragraph 5, and 6. Bids will be opened and read publicly by the Business Administrator at the time and day specified in the Advertisement for Bids. Reading of the bids will take place at the Municipal Building, 1261 Chews Landing Road, Laurel Springs, NJ 08021.

DELIVERY

In general, deliveries shall be at such time and place as may be fixed by Council and shall not be made except upon definite instructions. See "Specifications" for delivery required under these present specifications.

DISPOSAL OF MATERIALS, SUPPLIED ETC...NOT APPROVED.

Bidders shall understand that when materials, supplies, etc. have been delivered to the job which do not comply with the specifications and have not been approved, they shall be immediately removed upon notification to the contractor and replaced with material, supplied, etc., in full accordance with the specifications.

PAYMENTS

Payments shall be made to the contractor within sixty(60) days of receipt of invoice, after inspection and acceptance of the material and/or work and approval of the invoice by the Township Council unless otherwise stipulated by the Township in the form of a contract.

NUMBER OF WORKING DAYS

The contract shall contain the date which the work shall be completed or shall specify the number of working days to be allowed for its completion and/or delivery of materials equipment and supplies.

EXEMPTION FROM FEDERAL EXCISE AND NEW JERSEY SALES TAX

The Township of Gloucester is exempt from Federal Excise Taxes and the New Jersey Sales Tax. Net prices as shown in the proposal shall exclude said Federal and State Tax amounts.

NOTE: This provision shall not apply to construction, repair and/or maintenance contracts where bidder purchases supplies, materials, and/or equipment and includes costs thereof in computation of his bid or proposal.

NEW JERSEY PREVAILING WAGE ACT

All work on this project shall comply with the requirements under the 1963 Revised Statutes of New Jersey Chapter 150, "Prevailing Rate of Wages on Public Contracts".

Current applicable Wage Rate Determination of the State of the New Jersey Department of Labor shall become part of the contract.

DOMESTIC PRODUCTS

Only manufactured products of the United States, wherever available, shall be used in connection with this undertaking, pursuant to 40A:11-18 of the Revised Statutes of the State of New Jersey.

PUBLIC DISCLOSURE

Chapter 33 of the Public Laws of 1977 provides that no Corporation or Partnership shall be awarded any State, County, Municipal, or School District contract for the performance of any work or the furnishing of any materials or supplies, unless prior to the receipt of the bid or accompanying the bid of said Corporation or Partnership there is submitted a statement. The statement shall set forth the names and addresses of all stockholders in the Corporation or Partnership who own ten percent (10%) or more of its stock or any class, or of all individual partners in the Partnership who owns a ten percent(10%) or greater interest therein.

FAILURE TO SUPPLY THIS INFORMATION WITH "FORM OF PROPOSAL" WILL BE CAUSE TO REJECT THE BID

PROJECT MANUAL

Roof Restoration and Bat Remediation of the

Gabriel Daveis Tavern

401 Fourth Avenue
Glendora, NJ 08029

Owner's Representative:

Joan Eller-Hinski, Grants Coordinator
Gloucester Township
P.O. Box 8
Blackwood, NJ 08012
(856) 228-4000x307 ph
(856) 374-3526 fax

Architect:

Margaret Westfield, R.A.
Westfield Architects & Preservation Consultants
425 White Horse Pike
Haddon Heights, NJ 08035-1706
(856) 547-0465

June 2012

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Part 1

Project Overview

Project Overview

I. PROJECT INTRODUCTION

The Gabreil Daveis Tavern is located at 401 Fourth Avenue in Glendora, Gloucester Township, New Jersey. The historic Gabreil Daveis Tavern is significant as the home and commercial undertaking of one of Gloucester Township's earliest settling families. Gabreil Daveis built the two-and one-half story brick and stone structure in 1756 on the south end of a 178 acre plot of land overlooking the North branch of the Big Timber Creek. This tract of land was one of the last in the area to be developed prior to the Revolutionary War. Built with the intent purpose of being used as a "Public house of Entertainment," the tavern house is a fine example of vernacular Georgian architecture and served an important social and political function in the early history of Gloucester Township as a center of communications for nearby residents. Some restoration work, including the replacement of the roof, was completed in 1988. The building serves as a house museum and for special events.

The Township now plans to address the aging wood shingle roof, which is nearing the end of its functional life, as well as issues with moisture in the basement and bat infiltration of the attic. As the building is listed on the State and National Registers of Historic Places (15 June 1973 and 14 July 1977), all work will be reviewed by the New Jersey Historic Preservation Office for compliance with the Secretary of the Interior's *Standards for Rehabilitation*.

II. SCOPE OF WORK

The project scope of work consists of the following elements, as shown on the drawings and described in the specifications:

1. General conditions, including supervision costs;
2. Permits and approvals not provided by the owner;
3. Temporary facilities and controls, including construction trailer, dumpster, toilets, fencing, etc.;
4. Selective demolition;
5. Remediate the bat infiltration into the attic;
6. Clean the bat guano out of the attic and then lay heavy plastic sheeting on the floor of the attic;

7. Replace the main roof in-kind, with the exceptions of no inter-course underlayment and a combed ridge in lieu of the lapped ridge, including replacing individual strips of deteriorated lath as required and replacing the lath on the bottom three feet (only) of each slope with marine grade plywood and water resistant and conventional underlayment;
8. Repair the main cornices;
9. Remove the non-historic bargeboards of the main raking cornice on the east side, replace them with new bargeboards with a beaded edge installed flush against the wall, and repair the remaining barge boards on the west side; and,
10. Prepare and repaint the woodwork of the main cornices and the main raking cornices/bargeboards;
11. Add-Alternate #1: Replace the porch, well, and pent roofs in-kind. Replace the aluminum flashing on the rear porch roof with TCS II.
12. Add-Alternate #2: Paint all of the woodwork not covered by the base bid, with the exception of the windows.
13. Add-alternate #3: Paint the exterior side of the windows.

Add-alternates have been included on the bid form to ensure that the Township will be able to execute a contract for the maximum amount of work that the budget will permit, should the cost of the base bid scope be less than the grant budget.

Part 2

Bidding Requirements

Conditions of the Project

A. Definitions

1. Documents consist of the Drawings, Project Overview, Bidding Requirements, Contract Forms, Conditions of the Contract, and Technical Specifications.
2. The Owner is the Township of Gloucester. The Owner's representative is Joan Eller-Hinski, Grants Coordinator, The Township of Gloucester, 1261 Chews Landing Road, P.O. Box 8, Blackwood, NJ 08012 phone: (856) 228-4000x307. All questions are to be directed to the Owner.
3. The Architect is Westfield Architects & Preservation Consultants, 425 White Horse Pike, Haddon Heights, NJ 08035; phone: (856) 547-0465. Project Contact: Margaret Westfield.

B. Bidding

1. The Base Bid is the sum stated in the Bid for which the Bidder offers to perform the work described in the Bidding Documents to which work may be added or deleted for sums stated in Alternate Bids.
2. Alternate Bid (or Alternate) is an amount stated in the Bid to be added or deducted from the Base Bid amount for a corresponding change in the work as described in the Bidding Documents.

C. Instructions to Bidders

1. Bidders must be licensed or registered Contractors in the State of New Jersey, as required. The certificate of registration must be submitted with the bid.
2. By submitting a Bid, the Bidder represents that:
 - a. The Bidder has read and understands the Bid Documents and the Bid is made accordingly.
 - b. The Bidder has visited the site; become familiar with conditions and has correlated the Bidder's observations with the requirements of the proposed work.
 - c. The Bid is based upon materials, equipments and systems required by the Bid Documents.
 - d. The Bidder will complete the project within the timeframe specified.
3. Bids will be Lump Sum, submitted on the enclosed Bid Form. All bids must be enclosed in a sealed envelope, labeled with the following: the name and address of the bidder, and the name of the nature of the proposal.

4. All bids must be accompanied by:
 - Bid Document Submission Checklist
 - Bid Bond
 - Consent of Surety
 - Noncollusion Affidavit
 - Corporate Disclosure Statement
 - Certificate of Registration with the State
 - List of Subcontractors Forms
5. All bidders are encouraged to attend a pre-bid meeting at the site. The date and time of this meeting will be announced.
6. Bids will be received at the Township of Gloucester at a date and time to be announced, at which time the bids will be opened. Bidders may be present at the opening.
7. The Owner reserves the right to accept any Bid, to reject any and all Bids, to negotiate Contract Terms with the various Bidders, and to waive any formalities in bidding.
8. No proposal may be withdrawn for a period of sixty (60) days subsequent to the date of opening of the Proposals without written consent of the Owner.

D. Documents

1. Bidders shall use complete sets of Bid Documents in preparing bids; neither Owner nor Architect assumes responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bid Documents.
2. Bid Documents will be distributed to all Bidders who respond to public notices advertising the project. The first set of bid documents to qualified bidders will be delivered via email as a pdf. The fee for printed bid documents is \$50.00 per set. (These fees cover reproduction and handling costs.)
3. Bidders are required to visit the site before preparing their Bids, compare the Contract Documents with existing conditions, and report any conflicts. Bidders should call Joan Eller-Hinski, Owner's Representative, at (856) 228-4000 x307 to obtain directions and arrange access to the site.
4. If during the bidding period the bidder finds discrepancies, ambiguities, omissions, or is in doubt as to the meaning or intent of Documents, notify the Owner seven (7) calendar days prior to the Bid Due Date. All such necessary clarifications, information, interpretations or amendments shall be answered in the form of written addendum to Drawings and Specifications, issued simultaneously to all holders of complete sets of Documents. The Addendum will become a part of the Construction Contract. **Architect, Engineer and Owner representatives shall not be responsible for oral instructions or interpretations during bidding period.**

E. Insurance

1. The Contractor shall maintain Contractor's Liability Insurance throughout the life of this Contract, written in a comprehensive form, satisfactory to the Owner. Contractor is responsible for protecting the property during construction.
2. Property Insurance for Work-in-place will be carried by the Owner as a rider on the existing property insurance policy.

F. Bonding

1. Bids must be accompanied by a Certified Check, Bid Bond, or Cashier's Check drawn to the order of the Owner for ten percent (10%) of the amount of the total amount bid, provided said security need not be more than \$20,000.00. All bid guarantees shall be accompanied by an executed consent from an approved surety company, licensed to conduct business in the State of New Jersey, agreeing to furnish the required Performance Bond upon the award of contract.
2. The successful bidder will be required to provide a Performance Bond in the amount of 100% of the contract price.

G. Construction Permit

1. Contractor is responsible for obtaining all permits required during construction. Construction Permit Drawing Sets must be kept by the Contractor at the site during construction. Since the building is owned by the Township, the permit fees will be waived.
2. A separate set of documents should be kept to record any field changes or revisions during construction. This set shall be given to the Owner upon completion of all work, along with the required shop drawings, as the required "as built" documentation.

H. Forms

1. Contract will be written and provided by the Township and will incorporate the *Standard Form of Agreement Between Owners and Contractors, Stipulated Sum*, AIA Document A101, dated 1997, the twelfth edition, or an approved similar form.
2. Contractor shall submit bid on the Bid Form in Part 2.
3. Contractor shall submit all forms per the Bid Document Submission Checklist.

I. Payment

1. Prior to commencing work, selected contractor shall submit a Schedule of Values on AIA Document G702 *Application and Certification for Payment Continuation Sheet*. After review and acceptance by the Architect, these values shall become the basis for payment, on percentage completed as the project moves forward.

2. Applications for payment shall be submitted on AIA Document G702 forms on a monthly basis. Retainage of 2% shall be held until project is deemed by the Architect to be 100% complete.

BID DOCUMENT SUBMISSION CHECKLIST

Failure to submit the following documents may be a cause for the proposal to be rejected. (N.J.S.A. 40A:11-23.1b.)

By initialing below, bidder acknowledges inclusion of the following required documents in his/her bid package submission:

Bid Document Submission Checklist

Bid Bond

Bid Form

Consent of Surety

NonCollusion Affidavit

Corporate Disclosure Statement

Certificate of Registration with State

List of Subcontractors Form

SIGNATURE : The undersigned hereby acknowledges and has submitted the above listed requirements.

Name of Bidder: _____ Signature: _____

BID FORM

From: _____
(Name of General Contractor)

To: Township of Gloucester
1261 Chews Landing Road
Blackwood, NJ 08012

Project: Roof Restoration and Bat Remediation
Gabreil Daveis Tavern

Date: _____

The undersigned Bidder acknowledges by his signature that he has visited and examined the site of the proposed construction and has received and examined the Project Manual titled "Roof Restoration and Bat Remediation of the Gabreil Daveis Tavern" dated June 2012, and has included its provisions in his Bid. The Bidder acknowledges that he has received the following Addenda by indicating the dates thereof:

Addendum No.	1	Date
	2	
	3	

In submitting this Bid, the Bidder agrees:

- a. To hold his Bid for 60 days from the date shown above.
- b. To enter into and execute a Contract, if awarded, on the basis of this Bid.
- c. To accomplish Work in accordance with the Bid Documents within the specified time frame.

BASE BID: The Bidder agrees to construct the Work related to the roof restoration and bat remediation as specified in the Bid Documents of this project for the lump sum of (show amount in both words and figures):

Dollars

\$ _____

ADD-ALTERNATE #1: The Bidder agrees to add the Work related to Add-Alternate #1 in the Bid Documents of this project (replacement of the rear porch, pent, and well roofs) for the lump sum of (show amount in both words and figures):

ADD Dollars

+ \$ _____

ADD-ALTERNATE #2: The Bidder agrees to add the Work related to Add-Alternate #2 in the Bid Documents of this project (preparation of all of the exterior woodwork not included in the Base Bid except for the windows) for the lump sum of (show amount in both words and figures):

ADD Dollars

+ \$ _____

ADD-ALTERNATE #3: The Bidder agrees to add the Work related to Add-Alternate #3 in the Bid Documents of this project (preparation of all of the windows) for the lump sum of (show amount in both words and figures):

ADD Dollars

+ \$ _____

Start-up Date: _____ Completion Date: _____

Name of Firm: _____

Signed by: _____ Title: _____

Bidder's address: _____

Bidder's telephone number: _____

Signature _____ Date _____

NOTE: Attach any notes, exceptions or clarifications to the Bid to this Form, along with all required paperwork per the Project Manual.

CONSENT OF SURETY

A performance bond will be required from the successful contractor on this project, and consequent, all bidders shall, with their bid, a certificate in substantially the following form:

TO: _____
(Owner)

RE: _____
(Contractor)

(Project Description)

This is to certify that the

(Surety Company)

will provide to _____ a performance bond
(Owner)

in the full amount of awarded contract in the event that said contractor is awarded a contract for the above project.

(CONTRACTOR)

(Authorized Agent of Surety Company)

Date: _____

**CERTIFICATE OF SURETY MUST BE SIGNED BY AN AUTHORISED AGENT
OR REPRESENTATIVE OF A SURETY COMPANY AND NOT BY THE
INDIVIDUAL OR COMPANY REPRESENTATIVE SUBMITTING THE BID.**

BIDDER'S QUESTIONNAIRE
Roof Restoration and Bat Remediation of the
Gabreil Daveis Tavern

This form must be completed and submitted by prospective bidders who wish to be considered for the project. Failure to complete the Bidder's Questionnaire Statement will result in disqualification of the prospected Bidder. Attachments to this sheet are acceptable (please properly label).

1. Name and Address of Firm: _____

2. Under what other name(s) has your business operated? _____

3. Business form (corporation, partnership, etc.) _____
Date of formation: _____
Principal location: _____
Names and Titles of officers of corporation, or partners and the number of years with the business: _____

4. Has your firm or any predecessor firm defaulted on a contract or had work terminated for non-performance within the last five (5) years? If so, on a separate sheet describe the project, owner, date and circumstances/reasons.
5. Has your firm or any predecessor firm been denied a consent of surety, a bid bond, or a performance bond within the last twelve (12) months? If so, on a separate sheet describe the circumstances/reasons.
6. **GENERAL CONTRACTOR:**
Provide evidence of successful experience on at least two (2) projects involving separate historic buildings or sites and of similar activities and scope of work as the subject project, completed in compliance with the Secretary of the Interior's Standards for the Treatment of Historic Properties (revised 1995) within the past five (5) years preceding the date of the execution of the Bidder's Questionnaire. At least one of the projects must have been reviewed by a State Historic Preservation Office, or New Jersey Historic Trust, or the historic review body of a county or local municipal authority. The cost of each project must be at least \$50,000.

Project #1

Project Name: _____

Location: _____

Construction Cost: _____

Completion Date: _____

Approximate Construction Date of the Historic Building or Site: _____

Project Superintendent/Manager: _____

Scope of Work and Nature of Project: _____

Owner: _____

Owner's Contact Person: _____

Phone: _____

Fax: _____

Architect: _____

Architect's Contact Person: _____

Phone: _____

Fax: _____

Historical Review Agency: _____

Project #2

Project Name: _____

Location: _____

Construction Cost: _____

Completion Date: _____

Approximate Construction Date of the Historic Building or Site: _____

Project Superintendent/Manager: _____

Scope of Work and Nature of Project: _____

Owner: _____

Owner's Contact Person: _____

Phone: _____

Fax: _____

Architect: _____

Architect's Contact Person: _____

Phone: _____

Fax: _____

Historical Review Agency: _____

7. PROPOSED PROJECT SUPERINTENDENT/MANAGER:

Provide evidence of successful experience on at least two (2) projects involving separate historic buildings or sites and of similar activities and scope of work as the subject project completed in compliance with the Secretary of the Interior's Standards for the Treatment of Historic Properties (revised 1995) within the past five (5) years preceding the date of the execution of this Bidder's Questionnaire. At least one of the projects must have been reviewed by a State Historic Preservation Office, or New Jersey Historic Trust, or the historic review body of a county or municipal authority. The cost of each project must be at least \$50,000.

Name and Address of Project Superintendent/Manager: _____

Project #1

Project Name: _____

Location: _____

Construction Cost: _____

Completion Date: _____

Approximate Construction Date of the Historic Building or Site: _____

Scope of Work and Nature of Project: _____

Owner: _____

Owner's Contact Person: _____

Phone: _____ Fax: _____

Architect: _____

Architect's Contact Person: _____

Phone: _____ Fax: _____

Historical Review Agency: _____

Project #2

Project Name: _____

Location: _____

Construction Cost: _____

Completion Date: _____

Approximate Construction Date of the Historic Building or Site: _____

Scope of Work and Nature of Project: _____

Owner: _____

Owner's Contact Person: _____

Phone: _____ Fax: _____

Architect: _____

Architect's Contact Person: _____

Phone: _____ Fax: _____

Historical Review Agency: _____

8. Provide a list of the names, titles, and years of experience of all principal members of the prospective bidder's staff who will be available and assigned to this particular project.
9. GENERAL CONTRACTOR: PROVIDE THE FOLLOWING INFORMATION ON ALL CURRENT PROJECTS IN PROGRESS: (If necessary, include additional sheets.)

Project Name: _____

Location: _____

Owner: _____ Phone: _____

Architect: _____ Phone: _____

Contract Amount: _____

Scheduled Completion Date: _____

Architect's Contact Person: _____

Phone: _____

Project Name: _____
Location: _____
Owner: _____ Phone: _____
Architect: _____ Phone: _____
Contract Amount: _____
Scheduled Completion Date: _____
Architect's Contact Person: _____
Phone: _____

Project Name: _____
Location: _____
Owner: _____ Phone: _____
Architect: _____ Phone: _____
Contract Amount: _____
Scheduled Completion Date: _____
Architect's Contact Person: _____
Phone: _____

Project Name: _____
Location: _____
Owner: _____ Phone: _____
Architect: _____ Phone: _____
Contract Amount: _____
Scheduled Completion Date: _____
Architect's Contact Person: _____
Phone: _____

Project Name: _____
Location: _____
Owner: _____ Phone: _____
Architect: _____ Phone: _____
Contract Amount: _____

Scheduled Completion Date:_____

Architect's Contact Person:_____

Phone:_____

CERTIFICATION

I (We) the undersigned certify the truth and correctness of all statements and answers contained herein:

DATE:_____

NAME OF POTENTIAL BIDDER:_____

ADDRESS OF BIDDER:_____

TELEPHONE AND FAX:_____

BY (sign name, no stamps):_____

(Print/type name and title):_____

WITNESSED: (If a Corporation, by the secretary of the corporation)

BY (sign name, no stamps):_____

(Print/type name and title):_____

Subscribed and sworn to before me
this day of , 20

Notary Public of the State
of _____
My commission expires

(Seal)

**NON-COLLUSION AFFIDAVIT
Roof Restoration and Bat Remediation
at Gabreil Daveis Tavern**

State of New Jersey

County of _____

SS: _____

I, _____ of the _____ in the County of _____ and the State of _____, of full age, being duly sworn according to law on my oath depose and say that:

I am _____ of the firm of _____, the bidder making the Proposal for the above named project, and I executed the said Proposal with full authority so to do; said bidder has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action to restraint of free, competitive bidding in connection with the above named project; and all statements contained in said Proposal and in this affidavit are true and accurate, and made with full knowledge that the Owner and/or the State of New Jersey relies upon the truth of the statements contained in said Proposal and in this affidavit in awarding the contract for the said project.

I further warrant that no person or selling agency has been employed or retained to solicit or secure such contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, except bona fide employees or bona fide established commercial or selling agencies maintained by

(Name of Contractor) (N.J.S.A.52:34-15)

Signature

Date

Type or print name of affiant.

Subscribed and sworn to before me,
this _____ day of _____, _____.

THIS FORM MUST BE COMPLETED AND SUBMITTED WITH YOUR PROPOSAL.

CORPORATE DISCLOSURE STATEMENT

The Township of Gloucester has chosen to voluntarily comply with Chapter 33 of the Public Laws of 1977 (N.J.S.A. 52:25-24.2), which provides in pertinent part that no partnership or corporation shall be awarded any State, County, Municipal or School District Contract for the performance of any work or the furnishing of any materials or supplies unless prior to the receipt of the bid or accompanying the bid of said partnership or corporation, there is submitted a statement containing the following information:

1. If the bidder is a partnership, then the statement shall set forth the names and addresses of all partners who own a 10% or greater interest in the partnership.

2. If the bidder is a corporation, then the statement shall set forth the names and addresses of all stockholders in the corporation who own 10% or more of its stock of any class.

3. If a corporation owns all or part of any stock of the corporation or partnership submitting the bid, then the statement shall include a list of the stockholders who own 10% or more of the stock of any class of that corporation.

BIDDER MUST COMPLETE ONE OF THE FOLLOWING STATEMENTS:

I. Stockholders or Partners owning 10% or more of the company submitting:

NAME

ADDRESS

Signature

Date

Signature

Date

II. No Stockholder or Partner owns 10% or more of the company submitting bid:

Signature

Date

III. Bid is being submitted by an individual who operates as a sole proprietorship:

Signature

Date

THIS FORM MUST BE COMPLETED AND SUBMITTED WITH YOUR PROPOSAL.

List of Subcontractors

General Contractor:

By signing below, the bidder hereby acknowledges that the following subcontractors will be utilized for the following trades on the Roof Restoration and Bat Remediation project:

Name: _____

Address: _____

Role in Project: _____

Name: _____

Address: _____

Role in Project: _____

Name: _____

Address: _____

Role in Project: _____

Name: _____

Address: _____

Role in Project: _____

Name: _____

Address: _____

Role in Project: _____

Name of Bidder: _____ Signature: _____

(Attach additional sheets if required.)

Part 3

Contract Forms

Note: the Standard Form of Agreement Between Owner and contractor (AIA A101) will be provided to the successful bidder.

Part 4

Conditions of the Contract

Note: General Conditions of the contract for Construction (AIA A201) will be provided to the successful bidder.

WAIVER OF LIENS

Owner: **Township of Gloucester**
Joan Eller-Hinski
P.O. Box 8
1261 Chews Landing Road
Blackwood, NJ 08012

Contractor: _____

Date: _____

Whereas, the **Township of Gloucester**, hereinafter called "Owner" and _____, hereinafter called "Contractor," have entered into a Contract dated _____, providing that the Contractor shall furnish the materials and perform the labor and services necessary or contemplated for erection, construction, alteration or repair of a structure or improvement consisting of:

Gabreil Daveis Tavern

upon the lots of ground owned by the Owner known as the following:

**401 Fourth Avenue
Glendora, NJ 08029**

1. Now, therefore, the Contractor covenants and agrees, intending to be legally bound hereunder, that neither the undersigned Contractor nor any sub-contractor nor any other person furnishing labor, materials or services under or in connection with said Contract shall file a claim, commonly called a "Mechanics Lien," for labor, materials or services furnished to said structure, or any part thereof, or for anything done under or in connection with said Contract. Violation of this waiver shall constitute a breach of this Contract and the Contractor agrees to indemnify and hold Owner harmless against all costs of discharging any such "Mechanics Lien", including attorney fees and costs of suit.

2. The Contractor hereby certifies that payment in the amount of \$ _____ has been received as consideration for giving this waiver.

(Seal)

By:

Title: .

In witness whereof, said Contractor has subscribed and sworn to these statements before me on this _____ day of _____, 20__.

NOTICE

REQUIRED AFFIRMATIVE ACTION EVIDENCE FOR CONSTRUCTION CONTRACTS

All successful construction contractors must submit the following form of evidence:

- ° Complete form AA201

Affirmative Action evidence must be submitted no later than 3 days after signing of the contract.

AFFIRMATIVE ACTION COMPLIANCE NOTICE
N.J.S.A 10:5-31 and N.J.A.C. 17:27

GOODS AND SERVICES CONTRACTS
(INCLUDING PROFESSIONAL SERVICES)

This form is a summary of the successful bidder's requirement to comply with requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27.

The successful bidder shall submit to the public agency, after notifications of award but prior to execution of this contract, one of the following three documents as forms of evidence.:

(a) A photocopy of a valid letter that the contractor is operating under an existing Federally approved or sanctioned Affirmative Action Program (good for one year from the date of the letter):

OR

(b) A photocopy of a Certificate of Employee Information Report approval, issued in accordance with N.J.A.C. 17:27-4

OR

c) A photocopy of an Employee Information Report (Form AA302) provided by the Division and distributed to the public agency to be completed by the contractor

The successful vendor may obtain the Affirmative Action Employee Information Report (AA302) from the contraction unit during normal business hours.

The successful vendor(s) must submit the copies of the AA302 Report to the Division of Contract Compliance and Equal Employment Opportunity in Public Contracts (Division). The Public Agency copy is submitted to the public agency, and the vendor copy is retained by the vendor.

The undersigned vendor certifies that he/she is aware of the commitment to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27 and agrees to furnish the required forms of evidence.

The undersigned vendor further understands that his/her bid shall be rejected as non-responsive if said contractor fails to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27.

COMPANY: _____

SIGNATURE _____

PRINT NAME: _____

TITLE: _____

DATE: _____

SUPPLEMENT TO BID SPECIFICATIONS

NON-DISCRIMINATION

During the performance of a contract, the contractor agrees as follows:

1. The contractor or subcontractor, where applicable, will not discriminate against any employee or applicants for employment because of age, race, creed, color, national origin, ancestry, marital status, or sex. The contractor will take affirmative action to ensure that such applicants are recruited and employed, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status or sex. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notice to be provided by the Public Agency Equal Employment Opportunity Officer setting forth provisions of the non-discrimination clause.
2. The contractor or subcontractor, where applicable, will in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status or sex.
3. The contractor or subcontractor, where applicable, will send to each labor union or representative of workers with which it has collective bargaining agreement or other contract or understanding a notice, to be provided by the Public Agency Equal Employment Opportunity Officer advising the labor union or workers representative of the contractor's commitments under this act and shall post copies of the notice in a conspicuous place available to employees and applicants for employment.
4. The contractor or subcontractor, where applicable agrees to comply with any regulations promulgated by the Treasurer pursuant to P.L., c.127, as amended and supplemented from time-to-time.
5. The contractor or subcontractor agrees to attempt in good faith to employ minority and female workers consistent with the applicable county employment goals prescribed by section 5.2 of the regulations promulgated by the Treasurer pursuant to P.L. 1975, c. 127 as amended and supplemented from time-to-time or in accordance with a binding determination of applicable county employment goals, determined by the Affirmative Action Office pursuant to section 5.2 of the regulations promulgated by Treasurer pursuant to P.L. 1975, c, 127 as amended and supplemented from time-to-time.

6. The contractor or subcontractor agrees to inform in writing all recruitment agencies, including employment agencies, placement bureaus, colleges, universities, labor unions, that it does not discriminate on the basis of age, creed, color, national origin, ancestry, marital status, or sex, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.
7. The contractor or subcontractor agrees to revise any of its testing procedures, if necessary, to assure that all personnel testing conforms with the principles of job-related testing, as established by the statutes and court decisions of the State of New Jersey and as established and by application Federal Law and applicable Federal Court decisions.
8. The contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, creed, color, national origin, ancestry, marital status or sex and conform with the applicable employment goals consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal Law and applicable Federal Court decisions.

Provisions 4, 5, 6, 7, or 8 not required for subcontractors with (4) or fewer employees or a contractor who has presented evidence of a Federally approved or sanctioned Affirmative Action Program

Submitted By:

Name of Firm

Signature

Title

Date

AFFIDAVIT FOR AFFIRMATIVE ACTION

(This Affidavit is part of the Proposal)

STATE OF: _____

COUNTY OF: _____

being duly sworn, deposes and says that he/she resides at:

and that he/she is the _____ of _____
who signed the foregoing Proposal of Bids, that during the course of this contract, he/she will agree
to the Plan for Affirmative Action.

Subscribed and Sworn to

before me on the ____ day

of _____ 20 ____

(Notary Public)

My Commission Expires:

(Seal)

GOODS, PROFESSIONAL SERVICES AND
GENERAL SERVICE CONTRACTS

During the performance of this contract, the contractor agrees as follows:

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, sex, affectional or sexual orientation. The contractor will take affirmative action to ensure that such applicants are recruited and employed, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, sex, affectional or sexual orientation. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of the nondiscrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, sex, affectional or sexual orientation. The contractor or subcontractor, where applicable, will send to each labor union or representative or workers with which it has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer advising the labor union or workers' representative of the contractor's commitments under this act and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with the regulations promulgated by the Treasurer to P.L. 1975, c.127, as amended and supplemented from time-to-time and the Americans with Disabilities Act. The contractor or subcontractor agrees to attempt in good faith to employ minority and female workers consistent with the applicable county employment goals prescribed by N.J.A.C. 17:27-5.2 promulgated by the Treasurer pursuant to P.L. 1975, c.127 as amended and supplemented from time-to-time or in accordance with a binding determination of the applicable county employment goals determined by the Affirmative Action Office pursuant to N.J.A.C. 17:27-5.2 promulgated by the Treasurer pursuant to P.L. 1975, c.127, as amended and supplemented from time-to-time.

The contractor or subcontractor agrees to inform in writing appropriate recruitment agencies in the area, including employment agencies, placement bureaus, colleges, universities, labor unions, that it does not discriminate on the basis of age, creed, color, national origin, ancestry, marital status, sex, affectional or sexual orientation, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices. The contractor or subcontractor agrees to revise any of its testing procedures, if necessary, to assure that all personnel testing conforms with the principles of job-related testing, as established by the statutes and court decisions of the State of New Jersey and as established by applicable Federal Law and applicable Federal Court decisions.

The contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, creed, color, national origin, ancestry, marital status, sex, affectional or sexual orientation, and conform with the applicable employment goals, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal Court decisions. The contractor and its subcontractors shall furnish such reports or other documents to the Affirmative Action Office as may be requested by the office from time-to-time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Affirmative Action Office for conducting a compliance investigation pursuant to Subchapter 10 of the Administrative Code(NJAC 17:27).

SIGNATURE

(NAME) PRINT OR TYPE

COMPANY NAME:

DATE: .

CERTIFICATE OF BIDDER SHOWING ABILITY TO PERFORM CONTRACT

I, _____ of the (City, Town, Township, Borough, etc.)
of _____ in the County of _____ and the
State of _____ of full age, being duly sworn according to law on my
oath depose and say that:

1. I am a(n) owner, partner, shareholder or officer of the company set forth below and am duly authorized to execute this affidavit on its behalf.

(Check Appropriate Statements(s))

_____ I own, lease or control the necessary equipment required by the plans, specifications, and advertisements under which bids are asked for.

_____ I do not own, lease or control all the necessary equipment required by plans, specifications, and advertisements under which bids are asked for.

If the bidder is not the actual owner or lessee of all the necessary equipment provide the source from which the equipment will be obtained (Attach additional sheets if necessary.)

Attach certification from the owner or person in control of the equipment definitely granting to the bidder the control of the equipment required during such time as may be necessary for the completion of that portion of the contract for which it is necessary.)

Subscribed and sworn

before me this _____ day

of _____, 2 _____

Notary Public of _____

My Commission Expires:

(Title)

(Name of Company)

(Seal)

PROOF OF BUSINESS REGISTRATION

N.J.S.A. 52:32-44 required that each contractor submit proof of business registration with the bid proposal. Proof of registration shall be a copy of the bidder's Business Registration Certificate(BRC). A BRC is obtained from the New Jersey Division of Revenue. Information on obtaining a BRC is available on the internet at www.nj.gov/dca/lgs/lpcl/busregis/bus or by phone at (609) 292-1730. N.J.S.A. 52:32-44 imposes the following requirements on contractors and all subcontractors that knowingly provide goods or perform services for a contractor fulfilling this contract:

- 1) The contractor shall provide written notice to its subcontractors and suppliers to submit proof of business registration to the contractor;
- 2) Prior to receipt of final payment from a contracting agency, a contractor must submit to the contracting agency an accurate list of all subcontractors or attest that none was used;
- 3) During the term of this contract, the contractor and its affiliates shall collect and remit and shall notify all subcontractors and their affiliates that they must collect and remit to the Director, New Jersey Division of Taxation, the Use Tax due pursuant to the Sales and Use Tax Act, (N.J.S.A. 54:32B-1 et seq) on all sales of tangible personal property delivered into this state.

A contractor, subcontractor or supplier who fails to provide proof of business registration or provides false business registration information shall be liable to a penalty of \$25 for each day of violation, not to exceed \$50,000 for each business registration not properly provided or maintained under a contract with a contracting agency. Information on the law and its requirements is available by calling (609) 292-9292.

NEW JERSEY "BUSINESS REGISTRATION CERTIFICATE" FORM

P.L. 2004 Ch. 57 requires that Business Organization's, be registered with the New Jersey Department of Treasury, Division of Revenue. The definition in the law is as follows:

"Contractor" means a business organization that seeks to enter or has entered into a contract with a contracting agency, to provide goods, services, or a construction project, the cost of which exceeds 15% of the contracting unit's bid threshold.

Please indicate below, for the bidder and all subcontractors listed on the "Subcontractor Declaration" herein, as to their registration with the NJ Department of Treasury, Division of Revenue in accordance with P.L. 2004, Ch57.

Proof of registration is required for all contractor's and named subcontractor's. Proof of registration means a copy of the organization's Business Registration Certificate". No other form can be substituted to fulfill this requirement.

Copies of the Business Registration Certificate shall be submitted and attached to this form.

<u>Name</u>	<u>Not Registered</u>	<u>Registration Number</u>
Bidder _____	_____	_____
(Subcontractor) _____	_____	_____
(Subcontractor) _____	_____	_____
(Subcontractor) _____	_____	_____
(Subcontractor) _____	_____	_____

Subscribed and Sworn
before me this ____ day
of ____ 20 ____.

Notary Public of

My Commission Expires _____

(Seal)

Signature

(Type or Print Name)

CONSTRUCTION CONTRACT

During the performance of this contract the contractor agrees as follows:

- 1) The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, or sex. The contractor will take affirmative action to ensure that such applicants are recruited and employed, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status or sex. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Equal Employment Opportunity Officer setting forth provisions of this non-discrimination clause.
- 2) The contractor or subcontractor, where applicable, will in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status or sex.
- 3) The contractor or subcontractor, where applicable, will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the Public Agency Equal Employment Opportunity Officer advising the labor union or worker's representative of the contractor's commitments under this act and shall post copies of the notice in a conspicuous place available to employees and applicants for employment.
- 4) The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to P.L. 1975, c 127, as amended and supplemented from time-to-time.
- 5) When hiring workers in each construction trade, the contractor or subcontractor agrees to attempt in good faith to employ minority workers in each construction trade consistent with applicable employment goal prescribed section 7.3 of said regulation; provided however, that the Affirmative Action Office may, in its discretion, exempt a contractor or subcontractor from compliance with the good faith procedures prescribed by the following provision 1, 2 and 3 as long as the Affirmative Action Office is satisfied that the contractor is employing workers provided by a union which provides evidence, in accordance with standards prescribed by the Affirmative Action Office, that its percentage of active "card carrying" members who are minority workers is equal to or greater than the applicable employment goal prescribed by section 7.3 of the regulations promulgated by the treasurer pursuant to

P.L. 1975, c. 127, as amended and supplemented from time-to-time. The contractor or subcontractor agrees that a good faith effort shall include compliance with the following procedures:

- A. If the contractor or subcontractor has a referral agreement or arrangement with a union for a construction trade, the contractor or subcontractor shall within(3) days of the contractor award, seek assurance from the union that it will cooperate with the contractor or subcontractor as it fulfills its affirmative action obligations under this contract and in accordance with the regulations promulgated by the Treasurer pursuant to P.L. 1975, c. 127, as it is supplemented and amended from time-to-time. If the contractor or subcontractor is unable to obtain said assurance from the construction trade union at least five(5) days prior to the commencement of construction work, the contractor or subcontractor agrees directly to attempt to hire minority workers consistent with the applicable employment goal. If the contractors' or subcontractors' prior experience with a construction trade union regardless of whether the union provided said assurance indicates a significant possibility that the trade union will not refer sufficient minority workers consistent with the applicable employment goal by complying with following hiring procedures prescribed under(2): and the contractor or subcontractor further agrees immediately to take said action if it determines or is so notified by the Affirmative Action Office that the union is not referring minority workers consistent with the applicable employment goal.
- B. If the hiring of a work force consistent with the employment goal has not or cannot be achieved for each construction trade by adhering to the procedures of the preceding provision(1), or if the contractor or subcontractor does not have a referral agreement or arrangement with a union for a construction trade, the contractor or subcontractor agrees to take the following actions consistent with the applicable county employment goal:
 - 1. To notify the Public Agency Compliance Office, Affirmative Action Office and at least one minority referral organization of its manpower needs and request the referral of minority workers;
 - 2. To notify any minority workers who have been listed with it as awaiting available vacancies;
 - 3. Prior to commencement of work, to request the local construction trade union if the contractor or subcontractor has a referral agreement or arrangement with a union for the construction trade, to refer workers to fill job openings;

4. To leave standing requests for additional referral of minority workers with the local construction trade union, if the contractor or subcontractor has a referral agreement or arrangement with a union for the construction trade, the State Training and Employment service and the other approved referral sources until such time as the work force is consistent with the employment goal;
5. If it is necessary to lay off some of the workers in a given trade on the construction site, to assure consistency with the applicable State and Federal Statutes and Court decisions, that sufficient minority employees remain on the site consistent with the employment and to employ any minority workers laid off by the contractor or any other construction site in the area on which its work force composition is not consistent with any employment goal established pursuant to the regulations implementing P.L. 1975, c. 127;
6. To adhere to the following procedure when minority workers apply or are referred to the contractor or subcontractor:
 - i. If said individuals have never previously received any document or certification signifying a level of qualification lower than that required, the contractor or subcontractor shall determine the qualifications of such individuals and if the contractor's or subcontractor's work force in each construction trade is not consistent with the applicable employment goal, it shall employ such persons which satisfy appropriate qualification standards; provided however, that a contractor or subcontractor shall determine that the individual at least possesses the skills and experience recognized by any workers skills and experience classification determination which may have been made by a Public Agency Compliance Officer, Union, Apprentice Program or a Referral Agency, provided the Referral Agency is acceptable to the Affirmative Action Office and provided further, that if necessary, the contractor shall hire minority workers who qualify as trainees pursuant to subsection 2(k) of these regulations. All of the requirements of the paragraph, however, are limited by the provisions of paragraph (c) below.
 - ii: If the contractor's subcontractor's work force is consistent with applicable employment goals, the name of said minority group individual shall be maintained on a waiting list for first consideration in the event the contractor's or subcontractor's work force is no longer consistent with the applicable employment goal.

iii. If for any reason said contractor or subcontractor determines said minority group individual is not qualified or if said individual qualifies as an advance trainee or apprentice, said contractor or subcontractor shall inform said individual in writing with the reasons for the determination and maintain copy in its files, and send a copy to the Public Agency Compliance Officer and the Affirmative Action Office.

7. To keep a complete and accurate record of all requests made for the referral of works in any trade covered by the contract, and said records shall be kept on forms made available by the Affirmative Action Office and shall be submitted promptly to that office upon request.

C. The contractor or subcontractor agrees that nothing contained in the preceding provision(3) shall preclude the contractor or subcontractor from complying with hiring all apprenticeship provisions in any applicable collective bargaining agreement and where required by custom or agreement, it shall send journeymen and trainees to the union for referral or to the apprenticeship program for admission, pursuant to such agreement or arrangements; provided, however, that where the practices of a union or apprenticeship program will result in the exclusion or minority persons or the failure to refer minority group persons consistent with the county employment goal, the contractor or subcontractor shall not be required to employ minority advanced trainees and trained in numbers which result in the employment of advanced trainees as percentage of the total work force for construction, trade, which percentage significantly exceeds the apprentice to journey worker ratio specified in the applicable collective bargaining agreement, or in the absence of a collective bargaining agreement, exceeds the ratio established by practice in the area for said construction trade. Also the contractor or subcontractor agrees that, in implementing the procedures of the preceding provision (b), it shall, where practicable, employ minority workers residing within the geographical jurisdiction of the residing union.

D. The contractor agrees to complete monthly Project Manning Reports on forms provided by the Affirmative Action Office or in the form prescribed by the Affirmative Action Office and submit a copy of said form no later than three(3) days after signing a construction contract and said form once a month thereafter for the duration of this contract the Affirmative Action Office and to the Public Agency Compliance Officer. The contractor agrees to cooperate with the Public Agency in the payment of budgeted funds, as if necessary, for on-the-job programs for outreach and training of minority trainees employed on the construction projects.

Provision 4 and 5 not required for contractors or subcontractors with four(4) or fewer employees or a contractor who has presented evidence of a Federally approved or sanctioned Affirmative Action Program.

PUBLIC WORKS CONTRACTOR REGISTRATION ACT

N.J.S.A. 34:11-56.25, et seq. Requires that a general or prime contractor and any listed subcontractors name in the contractor's bid proposal shall possess a certificate at the time the bid proposal is submitted. After bid proposals are received and prior to award of contract, the successful contractor shall submit a copy of the contractor's certification along with those of all listed subcontractors at any tier have their certificate prior to starting work on the job.

Under the law a "contractor" is a "person, partnership, association, joint stock company, trust corporation or other legal business entity or successor thereof who enters into a contract" which is subject to the provisions of the New Jersey Prevailing Wage Act (N.J.S.A. 34:11-56.25, et seq.). It applies to contractors bases in New Jersey or in another state.

PUBLIC WORKS CONTRACTOR REGISTRATION FORM

C.34:11-56.48, p.l. 1999, Ch. 238 requires that contractors and subcontractors, in certain instances, be registered with the New Jersey Department of Labor, Division of Wage and Hour Compliance. The definition in the law is as follows.

"Contractor means a person, partnership, association, joint stock company, trust, corporation, or other legal business entity or successor thereof who enters into a contract which is subject to the provisions of the "New Jersey Prevailing Wage Act", P.L. 1963, C150 (c.34:11-56.25 et seq.). For the construction, reconstruction, demolition, alteration, repair or maintenance of a public building regularly open to and used by the general public or a public institution, and includes any subcontractor or lower tier subcontractor of a contractor as defined herein, except that, for the purposes of this act, no pumping station, treatment plant or construction, reconstruction, demolition, alteration, repair or maintenance shall be regarded as public building regularly open to and used by the general public or a public institution.

Please indicate below, for the bidder and all subcontractors listed on the "Subcontractor Declaration" herein, as to their registration with the NJ Department of Labor, Division of Wage and Hour Compliance in accordance with P.L. 1999, Ch. 238

<u>NAME</u>	<u>NOT REGISTERED</u>	<u>REGISTRATION #</u>
Bidder _____	_____	_____
(Subcontractor) _____	_____	_____
(Subcontractor) _____	_____	_____
(Subcontractor) _____	_____	_____
(Subcontractor) _____	_____	_____

IF IN THE PROCESS OF REGISTRATION, BUT HAVE NOT YET RECEIVED A REGISTRATION NUMBER, ATTACH PROOF OF APPLICATION FOR CONTRACTOR AND/OR SUBCONTRACTORS.

Registration forms are available by contacting Contractor Registration Unit at (609) 292-9464.

Subscribed and sworn before me this
_____ day of _____ 20_____.

Signature

Notary Public

(Name & Title Type or Print)

My Commission Expires) _____ 20_____

AMERICANS WITH DISABILITIES ACT OF 1990
Equal Opportunity for Individuals with disability

The contractor and the Township of Gloucester, do hereby agree that the provisions of Title 11, of the Americans With Disabilities Act of 1990 42 U.S.C. S12101 et seq, which prohibits discrimination on the basis of disability by public entities in all services, programs, and activities provided or made available by public entities, and the rules and regulations promulgated pursuant thereto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the owner pursuant to this contract, the contractor agrees that the performance shall be in strict compliance with the Act. In the event that the contractor, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the contractor shall defend the owner in any action or administrative proceeding commenced pursuant to this Act. The contractor shall indemnify, protect, and save harmless the owner, its agents, servants, and employees from and against any and all suits, claims, losses, demands, or damages, of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The contractor shall, at its own expense, appear, defend, and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the owner's grievance procedure, the contractor agrees to abide by any decision of the owner which is rendered pursuant to said grievance procedure. If any action or administrative results in an award of damages against the owner, or if the owner incurs any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the contractor shall satisfy and discharge the same at its own expense.

The owner shall, as soon as practicable after a claim has been made against it, give written notice thereof to the contractor along with full and complete particulars of the claim. If any action or administrative proceeding is brought against the owner or any of its agents, servants, and employees, the owner shall expeditiously forward or have forwarded to the contractor every demand, complaint, notice summons, pleading, or other process received by the owner or its representatives.

It is expressly agreed and understood that any approval by the owner of the services provided by the contractor pursuant to this contract will not relieve the contractor of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the owner pursuant to this paragraph.

It is further agreed and understood that the owner assumes no obligation to indemnify or save harmless the contractor, its agents, servants, employees and subcontractor for any claim which may arise out of their performance of this Agreement. Furthermore, the contractor expressly understands and agree that the provisions of this indemnification clause shall in no way limit the contractor's obligations assumed in this Agreement, nor shall they be construed to relieve the contractor from any liability, nor preclude the owner from taking any other actions available to it under any other provisions of the Agreement or otherwise at law.

Part 5

Technical Specifications

GENERAL REQUIREMENTS

1

SECTION 01010 - Summary Of Work

1. General

1.1 DESCRIPTION

- A. Contractor will complete the specified Roof Restoration and Bat Remediation of the Gabriel Daveis Tavern located at 401 Fourth Avenue, Glendora, Gloucester Township, NJ 08029. The Owner's representative is Joan Eller-Hinski, phone (856) 288-4000 x307, who is coordinating access to the site. The projects architects are Westfield Architects & Preservation Consultants, 425 White Horse Pike, Haddon Heights, NJ 08035-1706. Contact Margaret Westfield R.A. with any technical questions at (856) 547-0465.
- B. The building would be classified as Assembly Use Group A- 3 (IBC NJ Edition 2009). It has an assumed Construction Type of 5B.
- C. The building appears to meet the conditions stated in UCC Rehabilitation Subcode Section 6.33 and may be subject to interpretation by local construction officials due to its classification as a Historic Building.
- D. Major systems involved are Architectural These specifications, drawings, notes, and Owner-issued bidding documents compose the Contract Documents which delineate work required for this phase of restoration. The work of all trades under contract is to comply with all applicable state, county, and local codes. The Contractor is responsible for coordination of the work of various trades included in the full scope of work.
- E. The Gabriel Daveis Tavern was originally built in 1756. The significance of the structure has been acknowledged by the National Park Service through its listing on the National Register of Historic Places. All work shall be undertaken in accordance with the Secretary of the Interior's *Standards for the Treatment of Historic Properties* (Revised 1995).
- F. Funding for this project is being provided by the Camden County Open Space Preservation Trust Fund.
- G. The goal of this project is to restore the roof, make woodwork repairs, and repaint the exterior.

2. Products - Not Applicable To This Section

3. Execution - Not Applicable To This Section

SECTION 01015 - Project Requirements

1. General

1.1 DESCRIPTION

- A. Contractor will verify all field conditions and be familiar with all facets of the proposed work prior to submitting a bid to the Owners.

- B. All existing historic fabric is to remain or be replaced in kind. Existing architectural elements, where original, are to be used as guides.
- C. Building access is to be coordinated with the Owner's Representative. Contractor will be responsible for securing the building during construction. Any acts of damage, theft, or similar incidents will be the responsibility of the Contractor. Contractor agrees to indemnify and hold harmless Owner from any and all expense, claim, damages, losses, including attorney's fee, resulting from any accidents or injuries to any person who is an agent, workman and/or employee of the Contractor or any subcontractor, or who is at the premises at the request or invitation of the Contractor or subcontractor.
- D. Contractor is to provide for all necessary temporary facilities and utilities on site as deemed necessary to complete the project.
- E. If Contractor intends to provide scaffolding for exterior access, the following requirements apply:
 - 1. Scaffolding must not touch the building.
 - 2. Any pipes or boards near the building must be covered with rubber or cloth.
- F. Contractor shall photographically document all unforeseen conditions that are not visible from the ground.
- G. Contractor is responsible for obtaining or paying for all licenses, permits, and/or regulatory fees.
- H. Prior to the start of any work, the successful Contractor will verify all dimensions and conditions, and report any unforeseen conditions or discrepancies to the Architect.
- I. Architect is not responsible for work that the Architect does not review and/or work not completed in accordance with Architect's plans and/or instructions. No deviation from design drawings is permitted without written approval from the Architect. Field Changes and Addenda must be in writing and must be approved by Architect and Owner prior to undertaking related work.
- J. The approved foreman shall be on site every day that construction activity is underway. The foreman is responsible for coordinating all trades, sequencing all work, and overseeing his own crew and the sub-contractors to ensure that work is being performed in strict accordance with the drawings and specifications and that quality workmanship is maintained.
- K. If existing field conditions do not permit the installation of the work in accordance with the details shown, notify the Architect immediately and provide a sketch of the condition. Contractor shall not resolve problem conditions without prior approval of Architect except in case of an emergency.
- L. In any case of conflict between notes, details, and specifications, the most stringent requirements govern.
- M. Contractor shall protect pedestrians, motorists, and any other persons or property by restricting access throughout the project to any areas where persons or property may be injured by construction work.
- N. Proper temporary bracing of all construction work in progress is the Contractor's responsibility. The Contractor shall maintain on site the proper materials for quickly reinforcing the existing structure should the need arise.

- O. Open flames, heat guns, and all other hot work operations are prohibited unless prior written approval for their use has been obtained from the Architect. Smoking is prohibited within and adjacent to the building as well as anywhere on the property. All soldering of roof metal work must be done on the ground. Contractor(s) must post a fire watch and have appropriate fire extinguishers on hand for all hot work operations.
- P. Parking is available on site.
- Q. Contractor may use the restroom facility in the building, but then must take responsibility for keeping the building clean throughout the construction period.
- R. Contractor may use the electricity at the building.

2. Products

2.1 MATERIALS

- A. All existing historic fabric is to remain or be replaced "in kind" to match existing in composition, size, species, grade, finish, and installation methodology (except where noted). Existing architectural elements are to be used as guides.

3. Execution

- 3.1 Contractor shall verify all field conditions and dimensions and be familiar with all facets of the proposed work prior to starting work on related items. If structural drawings are used for laying out column centers and wall lines, all dimensions shall first be verified with the architectural drawings. Layout shall be checked before work is begun. Verify and/or establish all existing conditions and dimensions at the site before ordering any material and commencing any work. Prior to start of any work, the successful contractor will verify all dimensions and conditions, and report any unforeseen conditions or discrepancies to the Architect.
- 3.2 Contractor is to provide for all necessary temporary facilities and utilities on site as deemed necessary to complete the project. Placement of contractor-related facilities, if any, such as dumpsters, a project trailer, port-a-john, etc. must be coordinated with the Owner and approved in advance by the Architect.
- 3.3 Any acts of damage, theft or other similar incidents will be the responsibility of the Contractor. Contractor agrees to indemnify and hold harmless Owner from any and all expense, claim, damages, losses, including attorney's fee, resulting from any accidents or injuries to any person who is an agent, workman and/or employee of the Contractor or any subcontractor, or who is at the premises at the request or invitation of the Contractor or subcontractor.

SECTION 01030 – Alternates

1. General

1.1 DESCRIPTION

- A. List price for substitution of each alternate. Include cost of modifications to other work to accommodate alternate.
 - 1. Add-Alternate #1: The Bidder shall include all work to replace the roofs of the rear porch, the well cover structure, and the pent roof. Replace the aluminum flashing on the rear porch roof with TCS II.
 - 2. Add-Alternate #2: The Bidder shall include all work to repaint all exterior woodwork not included in the Base Bid with the exception of the windows.

3. Add-Alternate #3: The Bidder shall include all work to repaint the exterior sides of the windows, including frames, sash, and trim.

2. Products - Not Applicable To This Section

3. Execution - Not Applicable to This Section

SECTION 01045 – Cutting and Patching

1. General

1.1 DESCRIPTION

- A. “Cutting and patching” includes cutting into existing construction to provide for the installation or performance of other work and subsequent fitting and patching required to restore surfaces to their original condition.
- B. The goal is to save as much historic fabric as possible. Repair rather than replace whenever possible.
- C. See also individual sections of specifications for specific instructions regarding cutting and patching requirements and limitations as applicable to those products. Comply with project requirements for:
 1. Visual requirements, including special detailing.
 2. Inspection, preparation, and performance.
 3. Cleaning.

2. Products

2.1 MATERIALS

- A. Match existing materials for cutting and patching work with new materials conforming to project requirements.
- B. Use materials for cutting and patching that are identical to existing materials. If identical materials are not available, or cannot be used, use materials that match existing adjacent surfaces to the fullest extent possible with regard to visual effect and that will result in equal-or-better performance characteristics. All alternate materials must be submitted to the Architect for approval prior to installation.

3. Execution

3.1 STRUCTURAL WORK

- A. Do not cut-and-patch structural work in a manner resulting in a reduction of load-carrying capacity or load/deflection ratio.
- B. To prevent failure, provide temporary support of work to be cut.

3.2 VISUAL/QUALITY LIMITATIONS

- A. Do not cut-and-patch work exposed to view (exterior and interior) in a manner resulting in noticeable reduction of aesthetic and functional qualities, as judged by Architect.
- B. Before cutting, examine surfaces to be cut and patched and conditions under which the work is to be performed. If unsafe or otherwise unsatisfactory conditions are encountered, take corrective action before proceeding with the work.

- C. Protect other work during cutting and patching to prevent damage. Provide protection from adverse weather conditions for that part of the project that may be exposed during cutting and patching operations.
- D. Where cutting is required, use hand or small power tools designed for sawing or grinding, not hammering and chopping. Cut through concrete and masonry using a cutting machine such as a carborundum saw or core drill. Cut holes and slots neatly to size required with minimum disturbance of adjacent work. To avoid marring existing finished surfaces, cut and drill from the exposed or finished side into concealed surfaces. Temporarily cover openings when not in use.
- E. Patch with seams which are durable and as invisible as possible. Restore exposed finishes of patched areas and where necessary extend finish restoration into retained adjoining work in a manner which will eliminate evidence of patching and refinishing.

3.3 INSTALLATION

- A. Inspect conditions prior to work to identify scope and type of work required. Notify Owner of work requiring interruption to building services or Owner's operations. Conform to project requirements listed above.
- B. Perform work with workmen skilled in the trades involved. Prepare sample area of each type of work involved for approval.
- C. Clean work area and areas affected by cutting and patching operations.

SECTION 01100 - Procedures, Controls, and Payments

1. General

1.1 DESCRIPTION

- A. Provide coordination of work.
 - 1. Supervisory personnel.
 - 2. Preconstruction conference, if determined necessary.
 - 3. Monthly meetings.
 - 4. Other meetings.
- B. Submit monthly and special reports.
- C. Submit progress schedule, bar-chart type, updated monthly.
- D. Prepare submittal schedule; coordinate with progress schedule.
- E. Submit schedule of values.
- F. Submit schedule of required tests (payment and responsibility).
- G. Perform surveys:
 - 1. Laying out the work and verifying locations during construction.
 - 2. Final site survey.
- H. Submit record drawings and specifications; to be maintained and annotated by Contractor as work progresses.

- I. Submit payment request procedures.
- J. Submit beginning, progress, and completion photographs.
- K. Perform quality control during installation.
- L. Perform cutting and patching.
- M. Clean and protect the work.

2. Products - Not Applicable To This Section

3. Execution - Not Applicable To This Section

SECTION 01300 - Submittals, Products, and Substitutions

1. General

1.1 DESCRIPTION

- A. Project Schedule: Within 15 days of the date established for "commencement of the work," submit a comprehensive progress schedule indicating a time bar or specific completion date for each significant category of work to be performed. Arrange schedule to indicate required sequencing and to show time allowances for submittals, inspections, and similar time margins.
- B. Project Meetings: Attend progress and coordination meetings attended by representatives of each entity engaged for performance of work. It is the Contractor's responsibility to coordinate with his subcontractors to attend meetings as necessary. The Architect will distribute copies of minutes to those attending and others affected.
- C. Payment Requests: Submit a request each calendar month. Use AIA Form G702, fully completed and executed. The Contractor shall submit with each executed AIA Form G702, a triplicate set of progress photos, including negatives. As the project is partially funded by grant sources, payment will be made within 45 days of Architect's Certification. As the Owner is a tax-exempt organization, there should not be any tax on any materials or labor.
- D. Shop Drawings, Product Data, Samples:
 - 1. Samples of materials which will be required to be provided to Architect and Owner include:
 - a. Red cedar shingles.
 - b. Flashing.
 - c. Molding profiles.
 - d. Paint color.
 - e. A list of manufacturer's product data to be supplied in advance (with printed data, maintenance manuals, warranty information, and related documents.)
 - 2. Samples of techniques which will be required to be provided to the Architect and Owner.
 - a. Flashing.
 - 3. Comply with project format for submittals, all to be directed to the Architect.

- a. Do not delay construction. Order samples with sufficient time for review and approval. Allow sufficient lead time for material order after approval of sample and before the material is required for construction.
 - b. Shop drawings, reviewed and annotated by the Contractor - 4 blackline prints.
 - c. Product data - 4 copies.
 - d. Samples -one that matches, plus extra samples as required to indicate range of color, finish, and texture to be expected.
 - e. Mock-ups - as required in the individual sections.
 - f. Inspection and test reports - 4 copies.
 - g. Warranties - 4 copies.
 - h. Survey data - 4 copies.
 - i. Closeout submittals -4 copies.
 - j. Project photographs - 3 sets of 4x6 color prints with the Contractor's Application for Payment each month and at beginning and end of construction (one for the Architect, one for the Camden County Open Space Preservation Trust Fund, and one for the Owner). Include digital images on disk or photographic negatives in the Owner's set. (Each and every Application for Payment will not be processed without photographic documentation of work for which payment is requested.)
4. Provide types of submittals listed in individual sections and number of copies required.
 5. Provide required resubmittals; provide distribution of approved copies.
 6. Samples and shop drawings shall be prepared specifically for this project. Shop drawings shall include dimensions and details, including adjacent construction.
 7. Provide warranties as specified; warranties shall not limit length of time for remedy of damages Owner may have by legal statute. Warranties shall be signed by Manufacturer and Contractor.
 8. Provide products selected or approved equal. Products submitted for substitution shall be submitted with acceptable documentation, and include costs of substitution including related work.
 9. Substitutions shall be submitted prior to award of contract, unless otherwise acceptable. The cost of professional services to review substitutions requested by the Contractor after the award of contract shall be the responsibility of the Contractor.
 10. Punch list — Contractor will be responsible for inspecting his work and completing all anticipated punchlist work in house so that all work is substantially complete when the Contractor calls for the Architect to prepare the project's Punchlist. Owner will pay for one site visit for Architect to develop Punchlist and one site visit to verify successful completion of the Punchlist work. If additional site visits by the Architect are required due to the Contractor's inability to successfully complete all punchlist work before the Architect's return visit, the cost thereof will be the contractor's responsibility, and deducted from the contractor's retainage on the final Application for Payment. One Architect's visit to prepare the punchlist and one visit to verify successful completion of the punchlist work are included in the Architect's contract with the Owner. The cost of additional visits shall be subtracted from the contractor's retainage prior to release.

2. Products - Not Applicable To This Section

3. Execution - Not Applicable To This Section

SECTION 01500 – Temporary Facilities

1. General

1.1 DESCRIPTION

- A.** Provide temporary services and utilities:
 - 1. Water (potable and non-potable).
 - 2. Power.
 - 3. Telephone.
- B.** Provide construction facilities:
 - 1. Construction equipment.
 - 2. Enclosure.
- C.** Provide security and protection requirements:
 - 1. Fire extinguishers.
 - 2. Site enclosure fence, barricades, warning signs, and lights.
 - 3. Building enclosure and lock-up.
 - 4. Environmental protection.
- D.** Provide personnel support facilities:
 - 1. Drinking water.
 - 2. Project identification sign.
 - 3. Cleaning and trash removal.

2. Products - Not Applicable To This Section

3. Execution - Not Applicable To This Section

SECTION 01531–Temporary Fencing

1. General

1.1 DESCRIPTION

- A.** Provide temporary fencing to surround building and prevent unauthorized access during building repair.
- B.** Work area, including area to be enclosed by temporary fencing, shall be negotiated with the Owner prior to start of work.

2. Products

2.1 MATERIALS

- A.** Fencing shall be chain-link fencing, 6 feet in height, with lockable gate(s) to match. Copy of key to gate's lock shall be provided to Owner and Architect.

3. Execution

3.1 INSTALLATION

- A. Contractor is responsible for determining location of fencing and installing fencing, subject to local regulations and Owner's approval.

3.2 REMOVAL

- A. Fencing may be removed after new foundation work is complete and building is secure or remain during entire construction period at Contractor's discretion; however, fence must be removed prior to all sitework, except site clearing.
- B. Contractor is responsible for removing fencing and repairing site disturbed by fencing.

SECTION 01580 -Project Identification and Sign

1. General

1.1 DESCRIPTION

- A. Contractor shall provide construction sign, 4'x8' in size, with the names of the Project, Owner, Tenant, Grant Source, Contractor, and Architect. The background of the sign should be white. The letters should be black and of adequate size to be read by passing motorists.

SECTION 01700 - Project Closeout

1. General

1.1 PREREQUISITES TO SUBSTANTIAL COMPLETION

- A. Punch list.
- B. Submittal documentation.
- C. Warranties.
- D. Certifications.
- E. Architect's Certificate of Substantial Completion.
- F. Occupancy permit (if required).

1.2 PREREQUISITES TO FINAL ACCEPTANCE

- A. Final payment request with supporting documentation.
- B. Completed punch list.
- C. Provide record document submittals.

1.3 CLOSEOUT PROCEDURES

- A. Final cleaning and touch-up.
- B. Removal of temporary facilities.
- C. Turnover to Owner's personnel.

- 2. Products - Not Applicable To This Section**
- 3. Execution - Not Applicable To This Section**

END OF DIVISION 1 -GENERAL REQUIREMENTS

SITE WORK

2

SECTION 02070 - Selective Demolition

1. General

1.1 DESCRIPTION

- A. Perform selective demolition as required including, but not limited to, the following:
 - 1. Remove existing cedar shingle roof. Retain all TCS flashing for evaluation and reuse. Save samples of shingles for Contractor's and Architect's use in matching new shingles. Discard remaining debris.
 - 2. Remove aluminum flashing on rear porch roof Add-Alternate #1 is accepted.
 - 3. Remove bargeboards on east elevation.
 - 4. Remove the bats from the attic.
 - 5. Remove guano from attic.
 - 6. Demolish components designated to be removed.
 - 7. Protect all portions of building adjacent to or affected by selective demolition.
 - 8. Remove and legally dispose of demolished materials off-site.
- B. Unless otherwise noted, the term "remove" shall mean disconnect or disassemble **only**. Nothing shall be hauled away from the site until approved by the Owner.
- C. Removed materials not desired by Owner shall become the property of the Contractor, and shall be promptly hauled away from the site and are to be disposed of legally.
- D. Materials herein indicated or shown on the drawings to be re-used after removal shall be carefully disassembled, labeled, and stored by the Contractor, and shall be examined and approved for re-use by the Owner after disassembly.
- E. It shall be the Contractor's responsibility to provide adequate shoring during all phases of the disassembly. It shall also be the Contractor's responsibility to protect adjacent structures, machinery, equipment, personnel, vehicles, and the public.

1.2 SUBMITTALS

- A. Submit for approval selective demolition schedule.
- B. Submit schedule indicating proposed methods and sequence of operations for selective demolition work to Architect and Engineer for review prior to commencement of work.
- C. Certification: Within 3 days of disposal, submit certification, evidence, or receipts clearly establishing that materials were properly and legally conveyed to, and deposited at, a legal disposal site.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Use experienced workmen.

1.4 PRODUCT HANDLING

- A. Tag each historic disassembled item that the Owner wishes to retain, and mark the tag in indelible ink:
 - 1. Property of Gabriel Daveis Tavern.
 - 2. Name of item, e.g. door, door hardware, etc.
 - 3. Location found, e.g. door #. Mark location on keymap.
 - 4. Maintain a list and keymap of all disassembled materials.
 - 5. Place small items in plastic bags, secured to parent item.
 - 6. Store large/small items on site where directed by Owner.

1.5 PROJECT CONDITIONS

- A. Areas of work will not be occupied by Owner's personnel during work.
- B. The building will not be open to the public during the construction period.

2. Products

2.1 TAGS AND BAGS FOR STORAGE

- A. Identification tags: 6-1/4" x 3-1/8" tags, Tyvek material, metal reinforcing ring, steel wire tie, McMaster-Carr Catalog #15765T17 or equal.
- B. Parts Bags: 4ml thick, 12" x 15" zip press polyethylene bags with metal reinforcing grommet and steel wire tie.

3. Execution

3.1 DEMOLITION

- A. Perform selective demolition work in a systematic manner. Use such methods as required to complete work indicated on Drawings and in these specifications in accordance with progress schedule and governing regulations.
- B. Perform all removals and cutting carefully to avoid damage to adjacent elements scheduled to remain. Removal of existing roofing shall be undertaken using hand tools only.
- C. Provide exterior and interior shoring, bracing, and support to prevent movement, settlement, or collapse of sections of the structure indicated to remain.
- D. Take all precautions and use all applicable protective devices or materials that are required to assure that specified portions of the structure to remain are not loaded beyond safe limits and are not broken or otherwise damaged.
- E. If safety of structure appears to be endangered at any time, cease operations immediately and notify Architect.
- F. Use all measures required to protect the structure and its materials, finishes, fixtures, and assemblies from damage resulting from the work of this section. Provide all temporary protection and facilities required to ensure that no removed material damages surfaces not indicated to be removed.
- G. Provide temporary protection to shield elements exposed to the weather as a result of the selective structural demolition.

- H. Do not damage building elements and improvements indicated to remain. Items of salvage value and stated, in writing, not to be desired by the Owner may be removed from the site with the permission of the Owner. Nothing may be removed from the site without the permission of the Owner. Storage or sale of items at the project site is prohibited.
- I. Do not close or obstruct streets, walks, drives, parking areas, or other occupied or used spaces or facilities without the written permission of the Owner and the authorities having jurisdiction. Do not interrupt utilities serving occupied or used facilities without the written permission of the Owner and authorities having jurisdiction. If necessary, provide temporary utilities.
- J. Cease operations if public safety or remaining structures are endangered. Perform temporary corrective measures until operations can be continued properly.
- K. Carefully identify, disassemble, tag, keymap, and store those features:
 - 1. Designated disassemble or salvage.
 - 2. As necessary to accomplish repairs or replacements.
 - 3. Noting exact locations and arrangements to permit exact reinstallation.
 - 4. With a minimum of cuts or joints.
- L. Carefully identify, disassemble, and demolish those features designated demolish or designated remove.
- M. Perform disassembly, demolitions, and removals of all types in a controlled manner without damage to the historic structure or features, damage to the materials or construction to remain, injury or alteration to disassembled material or component, and leaving surfaces ready to receive new or assembled work.

3.2 SCHEDULE

- A. Items to be removed:
 - 1. Items to be stored and reinstalled: TCS Flashing.
 - 2. Items to be removed from site by Contractor: wood shingles and 2 barge boards

3.3 CLEAN-UP

- A. Comply with Article 3.15 of General Conditions in Part 4.
- B. Remove all materials designated and approved to be discarded at the end of each shift.
- C. Remove and dispose of temporary protective materials when complete.
- D. Dispose of all materials off site in compliance with government regulations.

SECTION 02080 - Paints And Coatings Removal

1. General

NOTE: Exterior paint on wood or metal surfaces should be removed to sound substrate only. Complete paint removal from wood or metal is **not** permitted or required unless the paint is alligatored or deteriorated down to bare wood or metal. In areas where these conditions exist (alligatoring, exposed

wood or metal, and/or deteriorated paint on masonry), the contractor shall completely remove paints and coating as specified below. See Specification Section 09900 for paint removal only to a sound substrate.

1.1 DESCRIPTION

- A. Work included: Remove paint, sealants and coatings of all types from exterior wood and metal, and stone substrates (including interior door and window surfaces), without physical or chemical damage to the substrates, including:
 - 1. Pre-testing of soil adjacent to building for lead levels.
 - 2. Protection of adjoining surfaces.
 - 3. Chemical removal.
 - 4. Scraping and wipe down.
 - 5. Neutralizing of chemical removers.
 - 6. Rinsing.
 - 7. Complete containment and collection of chips, rinse water, runoff, residue, dusts and abrasives.
 - 8. Clean-up and disposal (Note: any disposal fees are the Contractor's responsibility.)
 - 9. Post-paint removal testing of soil for lead levels.

1.2 SUBMITTALS

- A. Chemical paint removal systems product data: 7 days after award of contract, submit Manufacturer's:
 - 1. Specifications and product data.
 - 2. Application instructions.
 - 3. Storage instructions.
- B. Mock-ups: At least five (5) days before the start of paint removal or within 21 days after award of contract (whichever comes first), submit paint removal mock-up on all paint/substrate combinations.
- C. Procedure: At least ten (10) days before the start of paint removal or within 21 days after award of contract (whichever comes first), submit:
 - 1. Procedure complying with the requirements of governmental agencies having jurisdiction over the removal and disposal of lead based paint.
 - 2. Submit a notarized statement, signed by a responsible officer of the firm performing the work, attesting to the fact that the procedure complies with applicable government requirement.
 - 3. Submit pre-paint removal soil analysis results for lead levels taken by an certified independent environmental consultant. Soil samples may not be taken by the Contractor, and the Owner shall be notified and be present when the samples are being taken, and labeled duplicate samples shall be provided to Owner.
 - 4. Certification: Within three (3) days of disposal, submit certification, evidence, or receipts clearly establishing that materials were properly and legally conveyed to, and deposited at, a legal disposal site.
 - 5. Submit post-paint removal soil analysis results for lead levels taken by an certified independent environmental consultant. Soil samples may not be taken by the

Contractor, and the Owner shall be notified and be present when the samples are being taken.

1.3 QUALITY ASSURANCE

- A. Lead Based Paint (if any): Comply with applicable health, safety, and environmental requirements of the government agencies having jurisdiction, as well as industry standards, that govern lead-based paint abatement work or hauling and disposal of hazardous waste materials, including, but not limited to, the following:
 - 1. OSHA, including but not limited to:
 - a. 29 CFR 1926.20: General safety and health provisions.
 - b. 29 CFR 1926.28: Personal protective equipment.
 - c. 29 CFR 1926.55: Gases, vapors, fumes, dusts, and mists.
 - d. 29 CFR 1926.57: Ventilation.
 - e. 29 CFR 1926.62: Lead Construction Standard.
 - 2. DOT: U.S. Department of Transportation, including but not limited to:
 - a. 49 CFR 171 and 172: Hazardous Substances.
 - 3. EPA, including but not limited to:
 - a. 40 CFR 745 (Proposed) Lead Based Paint Activities: Training, Certification, and Work Practice Requirements.
 - 4. HUD: Department of Housing and Urban Development:
 - a. 24 CFR 35, 905: Lead Based Paint Hazard Elimination; Interim Rule 941, 965 and 968.
 - B. Take all necessary actions and precautions to assure the safety of the public and workers, adjacent buildings and property, on and off site, and the environment.
 - C. Provide manufacturer's representative to observe each mock-up application and to make written recommendations on existing conditions, chemical paint removal.
 - D. Paint chips, rinse water, and residue must be contained and collected. Do not permit this material to become airborne, to enter the soil, or to contaminate other surfaces.
- 1.4 The following paint removal methods are prohibited: open flame or heat, water-abrasive or air-abrasive removal, pressure water blasting (with or without abrasives) or power sanding or mechanical impingement. Water pressure is not to exceed 600 p.s.i. at the nozzle.
- 1.5 Chemical paint removal is limited to areas where there is no sound paint substrate and all paint must be removed down to the bare wood, metal, or masonry.
- 1.6 Contractor shall be responsible for compliant removal of any lead contamination that occurs as a result of painting operation as defined by an increase in lead level in post-paint soil samples in comparison with pre-paint soil samples.
- 1.7 If contractor fails to provide independent pre-paint soil testing, any and all lead contamination of post-paint soil shall be the contractor's responsibility.

2. PRODUCTS

2.1 CHEMICAL PAINT REMOVAL

- A. Chemical Paint Removal System:
One possible source is "Peel Away 7" non-alkaline, non-methylene chloride, proprietary

organic solvent mixture, paste paint stripper with a fibrous laminated cloth applied as a backing/seal to the paste, available from Dumond Chemicals, Inc., 1501 Broadway, New York, NY 10036, tel: (212) 869-6350, or approved equal.

- B. Or other non-methylene chloride chemical paint remover, demonstrated harmless to the substrate, and demonstrated equally effective in removing the existing coating as approved by the Architect.
- C. Denatured alcohol or mineral spirits for final clean down.

2.2 TOOLS

- A. Tools compatible with the chemical remover and the various substrates include: stiff non-metallic bristle brushes/medium natural bristle brushes and metallic and non-metallic scrapers of various sizes, a garden hose with spray nozzle.

2.3 MILDEWCIDE

- A. Bleach or other approved substance.

2.4 OTHER MATERIALS

- A. Gloves, protective and clean-up gear, sheeting and masking tape sufficient for proper protection, application, and containment and collection of residue and waste.

3. EXECUTION

3.1 SURFACE CONDITIONS

- A. With careful study of the contract documents and the building, examine all paint to be removed, identify coatings removal methods required, and with the Architect, confirm the limits of paint removal.

3.2 ENVIRONMENTAL CONDITIONS

- A. Do not apply chemical paint remover if air temperature falls below 40 degrees F at night or during application, or when weather conditions create drifting of spray or debris.
- B. Do not allow paint chips to touch the ground or leave the work area. Contractor is responsible for laying tarps and providing all protective and collection measures.

3.3 PROTECTIVE MEASURES

- A. Install protective measures prior to paint removal.
- B. Install and secure temporary waterproof protection to prevent damage at wall openings, windows, door and architectural features, masonry, and interior finishes and furnishings. Contractor is responsible for laying tarps and providing all protective and collection measures.
- C. Do not nail temporary protective coverings to the structure.
- D. Install measures to contain, collect and dispose of all waste materials, residue, or liquids generated from this Work.
- E. Provide protective measures so no paint chips reach the ground surface. Contractor is responsible for laying tarps and providing all protective and collection measures.

3.4 ACCEPTANCE CRITERIA

- A. No loose or flaking paint is to remain on the substrate.

- B. Remaining paint should be evenly distributed, and tightly adhered to the substrate.
- C. Transitions between painted areas and areas where paint layers have been removed are to be hand-sanded smooth, so that the transition is not visible to the naked eye. If architect's fingernail catches on transitions, paint preparation will be deemed inadequate.
- D. Substrate is to be undamaged or unstained by removal, and fully neutralized.
- E. No paint chips or paint removal residue shall be on the ground or adjacent surfaces. Contractor is responsible for laying tarps and providing all protective and collection measures.

3.5 CHEMICAL PAINT REMOVAL

- A. Apply chemical paint remover by trowel, brush, or roller, to the thickness recommended by the manufacturer.
- B. Apply the laminated cloth backing, lapping edges to form a seal. Secure backing cloth with tape.
- C. Let stand until paint has softened (2-96 hours).
- D. Remove backing and residue in accordance with the manufacturer's instructions.
- E. Wood: carefully scrape surface and recesses to remove softened paint and residue. Select and use scraping tools with care, keep scrapers sharp and clean, do not alter wood surface profile, and wipe down with cloth or sponge soaked with denatured alcohol or mineral spirits.
- F. Repeat entire chemical remover sequence again.
- G. Chemical paint removal must be followed by a neutralizing process.

3.6 CONTAINMENT AND COLLECTION

- A. Construct and maintain a system to contain and collect all residue and runoff for disposal; do not permit runoff or residue to contact masonry foundations, surrounding soil, or surrounding hard surfaces. Contractor is responsible for laying tarps and providing all protective and collection measures.

3.7 CLEAN-UP

- A. Comply with Article 3.15 of General Conditions in Part 4.
- B. Remove all waste materials and liquids at the end of each shift.
- C. Dispose of all materials off site in compliance with governmental requirements. If necessary, assist the Owner in obtaining an EPA number. Contractor will be responsible for all costs associated with disposal, including fees to obtain an EPA number if applicable.
- D. Leave substrate free of contaminants or residues incompatible with the paint systems and ready to receive coatings.
- E. Remove any soil contaminated by painting work, in accordance with all applicable regulations. Provide new topsoil to replace contaminated soil.

END OF DIVISION 2-SITE WORK

WOOD

6

SECTION 06050 - Fasteners

1. General

1.1 DESCRIPTION

- A. Work included: Fasteners for wood, including:
 - 1. Nails for finishing as required.

1.2 SUBMITTALS

- A. Submit product data for approval.

1.3 PRODUCT HANDLING

- A. Store fasteners under cover until installed.

2. Products

2.1 FASTENERS

- A. Finish nails:
 - 1. Casting nail or brad.
 - 2. Stainless steel.
- B. Miscellaneous materials:
 - 1. Rough hardware and fasteners: Provide, size, type, materials, and finish indicated and as recommended by applicable standards, comply with applicable Federal Specifications for nails, screws, bolts, nuts, washers, and anchoring devices as manufactured by the Simpson Strong-Tie Company, Inc. (2600 International Street, Columbus, OH 43228, 800/999-5099), or approved equal.

3. Execution

3.1 INSTALLATION

- A. Nailing:
 - 1. Penetrate the receiving piece at least $\frac{1}{2}$ the nail length.
 - 2. Prepare for all fasteners.
 - 3. Do not split wood or timber member with nail or nails.
 - 4. Remove split members and replace in kind.
 - 5. Set nail head in finish carpentry items.

SECTION 06100 - Rough Carpentry

1. General

1.1 DESCRIPTION

- A.** Provide rough carpentry work:
 - 1. Wood framing.
 - 2. Blocking and small dimension framing.
 - 3. Spaced lath.
 - 4. Sheathing.
 - 5. Nailers, blocking, furring, and sleepers.
 - 6. Shims.
 - 7. Rough hardware.

1.2 SUBMITTALS

- A.** Submit product data for approval.
- B.** Samples: 21 days after award of contract submit sample of each grade stamp and material.

1.3 QUALITY ASSURANCE

- A.** Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

1.4 PRODUCT HANDLING

- A.** Protection
 - 1. Store replacement and salvaged wood on shoring, elevated at least 1 foot above the ground.
 - 2. Place a vapor barrier on the bare soil.
 - 3. Cover the wood with a breathable waterproof covering until installed.

2. Products

2.1 MATERIALS

- A.** Lumber, finished 4 sides, 15% maximum moisture content:
 - 1. Light framing: Construction grade douglas fir or southern pine, appearance grade where exposed.
 - 2. Structural framing and timbers: No. 1 grade Douglas fir or southern pine, appearance grade where exposed.
 - 3. Boards: Construction grade.
- B.** Plywood, APA rated for use and exposure:
 - 1. Roof sheathing: APA sheathing, Marine grade/exterior glue, CDX.

- C. Wood for nailers, blocking, furring and sleepers: Construction grade, finished 4 sides, 15% maximum moisture content. Pressure preservative treat items in contact with roofing, flashing, waterproofing, masonry, concrete or the ground.
- D. Shims: Discontinuous blocking less than ½" in thickness. Construction grade, 15% maximum moisture content. Pressure preservative treat items in contact with roofing, flashing, waterproofing, masonry, concrete, or the ground. Shims used in a structural bearing situation (with wood framing) may not have less compressive strength than the surrounding components, and shall be hardwood.
- E. Softwood dimension lumber:
 - 1. Work stock to match original material in dimension, shape, and profile.
 - 2. Identify each piece of dimension lumber stock by stamp, brand, mark, or tag showing, at a minimum, recognized grading bureau: SPIB, WCLIB, etc., mill, grade and species, and moisture content.
 - 3. Dimension lumber: species, Grade #2 or better, surface finish: S4S; moisture content: S-dry, 15% maximum; length: full length; preservative treatment: CCA 0.040 cf for wood wherever required by code.
- F. Salvaged wood:
 - 1. Original wood, disassembled from the building for repair and reuse in accordance with Section 02070, sound throughout, and meeting the following:
 - a. Thickness: min. 80% of original
 - b. Open knots: none
 - c. Perforations: None, repair nail holes per Section 06350
 - d. Splits: Repair per Section 06350
 - e. Deterioration/Rot: none
 - f. Minimum length: 3 spans
- G. Wood treatment:
 - 1. Preservative treatment: Pressure-treated with waterborne preservatives compatible with the pressure treated preservatives, to comply with AWPB LP-2 or LP-22, as applicable. Kiln dry to 15% max. moisture content. Treat wood exposed to deterioration by moisture, such as items in contact with roofing, flashing, waterproofing, masonry, concrete, or the ground. Treat wood subject to insect attack.
 - 2. Fire-retardant treatment: Pressure impregnated, to comply with ASTM E 84, Class A, and with AWPB C20 and C27; provide where indicated and where required by code.

3. Execution

3.1 INSTALLATION

- A. Environmental conditions: Verify moisture content of finish carpentry material is less than 15% at the time of installation; do not install trim with moisture content exceeding 15%.
- B. Fit and scribe pieces to match existing and original installation for: height and width, thickness, shapes, and finish.
- C. Select and position pieces so knots, defects, and repairs do not interfere with locations of fasteners, joints, or connections.
 - 1. Set loose knots with epoxy

2. Cut out and discard sections with knot holes or defects such as waney edges.
- D. Field treatment of wood for durability: Saturate the surface of all field cuts in preservative treated members after trial fit-up, but before assembly or fastening (for wood at or below grade only).
- E. Framing lumber: Make joints true, tight, and well nailed.
- F. Provide nailers, blocking and grounds where required. Set work plumb, level and accurately cut.
- G. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction. Coordinate with work of other sections.
- H. Comply with manufacturer's requirements for cutting, handling, fastening and working treated materials.
- I. Remove and repair/replace any salvaged or replacement wood item which has split.
- J. Restore damaged components. Protect work from damage.

SECTION 06200 - Finish Carpentry

1. General

1.1 DESCRIPTION

- A. Work included: Various forms of new and salvaged wood and perform finish carpentry including, but not limited to, the following:
 1. Exterior running and standing trim.

1.2 SUBMITTALS

- A. Submit for approval samples, shop drawings, product data, mock-ups.
- B. Samples: 14 days after award of contract submit sample of material for each sill or trim configuration.
- C. Mock-ups: Prior to start of work, provide one mock-up for each sill or trim configuration.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

1.4 PRODUCT HANDLING

- A. Protection:
 1. Store wood on shoring, elevated at least 1 foot above the ground.
 2. Place a vapor barrier on the bare soil.
 3. Cover the wood with a breathable waterproof covering until installed.

2. Products

2.1 MATERIALS

- A.** Quality standard for fabrication and products: Architectural Woodwork Institute Quality Standards, Premium grade unless noted otherwise.
- B.** Finished wood:
 - 1. Provide replacement stock from board or lumber stock.
 - 2. Work stock to match original existing material in dimension, shape, profile, and surface finish (before weathering).
 - 3. Stock for trim, sills, cornices, and dutchmen:
 - a. Species: Match existing original
 - b. Grade: Clear of knots, close grained
 - c. Strength: Not applicable
 - d. Moisture content: Kiln dried
 - e. Size: Match original.
- C.** Salvaged wood:
 - 1. Original wood, disassembled from the building for repair and reuse in accordance with Section 02070, sound throughout, and meeting the following:
 - a. Thickness: 80% of original
 - b. Open knots: none
 - c. Perforations: None, repair nail and staple holes per Section 06350
 - d. Splits: Repair per Section 06350
 - e. Deterioration/Rot: none
 - f. Minimum length: 3 span
- D.** Exterior finish carpentry:
 - 1. Trim and boards for painted finish: Softwood suitable for exposure and loading.
- E.** Spanish Cedar shall not be used for any woodwork.
- F.** Wood treatment:
 - 1. Preservative treatment: Pressure-treated with waterborne preservatives for items in contact with roofing, flashing, waterproofing, masonry, concrete, or the ground. Vehicle for preservative compatible with finish.
 - 2. Fire-retardant treatment: ASTM E 84, Class A, where required by code or local authorities. Vehicle for preservative compatible with finish.

3. Execution

3.1 INSTALLATION

- A.** Environmental Conditions: Verify moisture content of finish carpentry material is less than 15% at the time of installation; do not install trim with moisture content exceeding 15%.
- B.** Fit and scribe pieces to match existing and original installation for: height and width, thickness, shapes, and finish.

- C. Select and position pieces so knots, defects, and repairs do not interfere with locations of fasteners, joints, or connections.
 - 1. Set loose knots with epoxy.
 - 2. Cut out and discard sections with knot holes or defects such as waney edges.
- D. Back prime work and install plumb, level and straight with tight joints; scribe work to fit. Field prime all cut edges.
- E. Make joints true, tight, and well nailed.
- F. For joints in building, window and door trim:
 - 1. Make joints to conceal shrinkage and shed water
 - 2. Miter exterior corners
 - 3. Cope interior corners
 - 4. Scarf or miter end to end joints
- G. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction. Coordinate with work of other sections.
- H. Comply with manufacturer's requirements for cutting, handling, fastening and working treated materials.
- I. Treatment of wood for durability: Prime all exposed and concealed surfaces of wood trim, after fit-up and trimming, and prior to fastening.
- J. Fastening: remove and repair any salvaged or replacement wood item which has split.
- K. Finishing exposed surfaces:
 - 1. Putty all nail holes, screw holes, or imperfections.
 - 2. Provide a smooth finish, equivalent of 200 grit sandpaper, sanded in the grain direction and removing any hammer marks, coarse sandpaper marks, and other surface imperfections.
 - 3. Paint exposed finish carpentry surfaces in accordance with Section 09900.
- L. Adjust, clean and protect.

SECTION 06350 - Wood Restoration

1. General

1.1 DESCRIPTION

- A. Work included: Epoxy repair and restoration of existing wood, including:
 - 1. Rough and finish carpentry

1.2 SUBMITTALS

- A. Product data: 14 days after award of the Contract, submit:
 - 1. Manufacturer's specifications and product data for epoxy repair system.
 - 2. Manufacturer's application instructions for epoxy repair system.

1.3 QUALITY ASSURANCE

- A. Safety: Take all necessary actions and precautions to assure safety of:
 - 1. The public and workers
 - 2. Adjacent materials and surfaces
 - 3. The environment, especially with respect to solvents and epoxies.
- B. Comply with governing codes and regulations. Provide products of acceptable manufacturers that have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

2. Products

2.1 EPOXY REPAIR SYSTEM

- A. Epoxy repair system:
 - 1. Consolidating low viscosity epoxy resins and hardeners
 - 2. Patching epoxy resins, hardeners and filler
 - 3. Additives and catalysts
 - 4. Provide from a single manufacturer/supplier as follows:
 - a. Liquidwood and WoodEpoxy from Abatron, Inc., 33 Center Drive, Gilberts, IL 60136, tel: (800) 445-1754.
 - b. West System, from Gougeon Brothers, Inc., P.O. Box X908, Bay City, MI 48707, tel: (517) 684-7286.
 - c. Beta System, from Dell Corporation, P.O. Box 1462, Rockville, MD 20850, tel: (301) 279-2612.
 - d. or an approved equal.
- B. Provide compatible solvents, tools, gloves, goggles, and safety equipment as necessary.
- C. Provide wood for dutchmen in accordance with:
 - 1. Section 06200: Finish Carpentry for:
 - a. Finish carpentry restoration
 - 2. Section 08210: Wood Doors and Windows Restoration for:
 - a. Wood Doors and Windows Restoration

3. Execution

3.1 ENVIRONMENTAL CONDITIONS

- A. Perform wood epoxy restoration only when ambient weather conditions are within the recommended limits of the epoxy manufacturer for:
 - 1. Temperature
 - 2. Relative humidity
 - 3. Moisture content of wood

3.2 EPOXY REPAIRS

- A. Manufacturers' Instructions:
 - 1. Follow manufacturers' instructions and safety recommendations exactly.

2. Prepare for the potential for epoxies in mass placements to result in high heat release.
 3. Plan and execute epoxy placement to avoid dangerous curing temperatures.
- B. Preparation of repair areas:**
1. Remove all loose wood fiber, rotted wood, paint and paint chips, dirt, grease, mold, fungus, etc., to assure proper adhesion.
 2. Prepare wood substrate per manufacturer's instructions.
 3. Verify proper wood moisture content:
 - a. If too high, dry the wood.
- C. Epoxy consolidation (painted wood only):**
1. Epoxy consolidate porous or "punky" deteriorated wood with liquid epoxy.
 2. Drill holes and apply consolidant per manufacturer's instructions.
- D. Split repair:**
1. Apply epoxy adhesive to both faces of split.
 2. Join pieces and clamp/restrain in place until cured.
- E. Hole repair:**
1. Use putty epoxy in layers. If not structural wood, fill larger holes with wood and finish with putty epoxy.
- F. Cleaning:**
1. Remove excess epoxy from exposed surfaces.
 2. Use recommended solvents.
 3. Do not drip or smear epoxy on exposed surfaces. Protect adjacent surfaces.
- G. Finishing:**
1. Sand, carve, and otherwise trim the exposed surface of the fully cured repair to match surface texture and elevation of the adjacent original existing materials.
 2. All surfaces not treated with epoxy will be treated with a combined "natural" consolidant composed of equal parts boiled linseed oil, gum turpentine, and spar varnish. Apply two coats, allow twenty four hours before application of primer coat.

END OF DIVISION 6 - WOOD

THERMAL & MOISTURE PROTECTION

7

SECTION 07100 – Roofing Underlayment

1. General

1.1 DESCRIPTION

- A. Work included: Roofing underlayment:
 - 1. Water resistant underlayment.
 - 2. Conventional underlayment.
- B. Related work:
 - 1. Part 4. Conditions of the Contract.
 - 2. Section 06100 – Rough Carpentry.
 - 3. Section 07310 – Shingle Roofing.
 - 4. Section 07600 – Flashing and Sheet Metal.

1.2 SUBMITTALS

- A. Product data: 14 days after award of the Contract, submit:
 - 1. Materials list of items to be provided under this Section.
 - 2. Manufacturer's specifications and product data.
 - 3. Manufacturer's recommended installation procedures.

1.3 PRODUCT HANDLING

- A. Protect water resistant and conventional underlayment from exposure to sunlight.

2. Products

2.1 WATER RESISTANT UNDERLAYMENT

- A. Water resistant underlayment:
 - 1. Conforming to ASTM D412 and ASTM D146.
 - 2. Ice and Water Shield as manufactured by WR Grace and Co, 62 Whittemore Avenue, Cambridge MA 02140.

2.2 CONVENTIONAL UNDERLAYMENT

- A. Conventional Underlayment: No. 15, unperforated asphalt-saturated roofing felt.

2.3 FASTENERS

- A. Use only copper nails, rivets, and fasteners on slate underlayment.
- B. Provide metals, fasteners, and hardware that:
 - 1. Are compatible with each other, the flashing and the roofing.

2. Do not have the potential for galvanic corrosion.

3. Execution

3.1 SURFACE CONDITIONS

- A. Roof deck/underlayment:**
 1. Verify dry, free of ridges, warps and voids.
 2. Repair in accordance with Section 06100 – Rough Carpentry.
 3. Sweep clear of loose debris.
 4. Coordinate and sequence disassembly, temporary protection and reroofing to provide full and secure protection of the building from the entry of moisture of all forms during the work.

3.2 UNDERLAYMENT

- A. Roof slopes 5 in 12 and greater:**
 1. Place one underlayment ply over area not protected by roofing membrane.
 2. Weatherlap ends and edges 4" min.
 3. Continuous lengths of underlayment shall not exceed 16' in length.
 4. Underlayment shall be limited to area covering bottom 3' of each roof slope when wood shingles are being installed over spaced lath.
- B. Roof slopes less than 5 in 12, greater than 2 in 12.**
 1. Lap underlayment 19", producing 2 plies.
 2. Stagger 4" end laps of each layer.
 3. Continuous lengths of underlayment shall not exceed 16' in length.
 4. Underlayment shall cover all solid sheathing.
- C. All slopes:**
 1. Install protective underlayment perpendicular to slope of roof.
 2. Weather lap and seal roof projections.
- D. Protection:**
 1. Protect underlayment from sunlight and mechanical damage until roofing is installed.
 2. Underlayment that is exposed to sunlight for 30 days or more must be removed and replaced in its entirety.

3.3 CLEAN-UP

- A. Comply with Article 3.15 of General Conditions in Part 4.**

SECTION 07310 – Shingles

1. General

1.1 DESCRIPTION

- A. Provide shingles for roofing.**
 1. Wood shingles.

1.2 SUBMITTALS

- A. Submit for approval samples, product data, mock-ups, warranty, extra stock.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Certification from the Red Cedar Shingle & Handsplit Shake Bureau for materials required for wood shingles.
- C. Installer must be certified by the Red Cedar Shingle & Handsplit Shake Bureau and must provide a 20 year labor and material warranty.

2. Products

2.1 MATERIALS

- A. Wood shingles, UL Class C: Western red cedar shingles matching the profile, length, exposure, thickness, and texture of the original; No. 1 Blue Label sawn and kiln-dried, 30" length.
- B. Roofing felt: No. 15, unperforated asphalt-saturated roofing felt.
- C. Marine grade plywood, matching thickness of existing spaced lath.
- D. Hot dipped, zinc-coated or aluminum nails, of type and size recommended by Red Cedar Shingle & Handsplit Shake Bureau.
- E. Penetrating Sealer: Andek Polaseal E.F.M. by Andek Corporation, P.O. Box 392, 850 Glen Avenue, Moorestown, NJ 08057-0392
Phone: (856)786-6900 Fax: (856)786-0580

3. Execution

3.1 INSTALLATION

- A. Wood shingle roof shall be installed with a combed ridge with the comb on the wind slope. A shop drawing must be provided by the contractor to the Architect for approval prior to installation.
- B. Remove the spaced lath from the bottom three feet across each slope of the main roof. Install marine grade plywood to match the thickness of the spaced lath. Install water resistant underlayment in compliance with section 07100. Install conventional underlayment over the water resistant underlayment. Install the shingles at 10" on center with a cnat strip at the bottom to match the current design. Provide shop drawings to the Architect for approval prior to installation.
- C. Replace individual pieces of deteriorated shingle lath as necessary for complete installation of roof.
- D. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.

- E. Apply one heavy coat of Andek Polaseal E.F.M. Penetrating Sealer (or an approved equal clear wood preservative with UV protection and fire retardant) in accordance with manufacturer's instructions to dry, clean surface at a maximum coverage of 150 square feet per gallon.
- F. Restore damaged components. Clean and protect work from damage.

SECTION 07600 – Flashing and Sheet Metal

1. General

1.1 DESCRIPTION

- A. Provide flashing and sheet metal components for building construction.
 - 1. Metal flashing and counter-flashing.
 - 2. Miscellaneous sheet metal accessories.

1.2 SUBMITTAL

- A. Submit for approval:
 - 1. Samples of sheet metal flashing, trim, and accessory items.
 - a. 8" square samples of specified sheet materials to be exposed as finished surfaces.
 - b. Samples of each type of metal joint required (e.g., locked and soldered; lapped, riveted, and soldered). Samples should be cut in half to verify that they are fully sweated. Samples seams shall be submitted by each roofing mechanic proposed by the contractor for soldering work.
 - 2. Shop Drawings of each item specified showing layout, profiles, method of joining, and anchorage details.
 - 3. Product Data from the manufacturers.
- B. Prior to installing sheet metal flashing and trim, construct mock-ups indicated to verify selections made under sample submittals and to demonstrate aesthetic effects as well as qualities of materials and execution. Build mockups to comply with the following requirements, using exposed and concealed materials and forming methods indicated for completed work.
 - 1. Locate mock-ups in the location and of the size indicated or, if not indicated, as directed by Architect.
 - 2. Notify Architect 7 days in advance of the dates and times when mock-ups will be constructed.
 - 3. Demonstrate the proposed range of aesthetic effects and workmanship.
 - 4. Obtain Architect's approval of mock-ups before starting metal roofing work.
 - 5. Maintain mock-ups during construction in an undisturbed condition as a standard for judging the completed work. At the time of completion, undisturbed mock-ups may become part of the completed work where appropriate.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years.

- B.** Comply with Architectural Sheet Metal Manual published by Sheet Metal and Air-Conditioning Contractors National Association (SMACNA):
 - 1. Standard Catalog items may be used for flashing, trim, and similar purposes provided such items meet or exceed SMACNA Manual.
- C.** Safety: Take all necessary actions and precautions to assure the safety of:
 - 1. The public and workers.
 - 2. Adjacent buildings and property, on site and off site.
 - 3. The environment, especially with respect to solvents and soldering.
- D.** Use experienced installers who have completed sheet metal flashing and trimwork similar in material, design, and extent to that indicated for this project and with a record of successful performance.
- E.** Coordinate the work of this section with that of adjoining work for proper sequencing of each installation. Ensure best possible weather resistance, durability of work, and protection of materials and finishes.
- F.** Deliver, handle, and store materials in accordance with manufacturer's instructions.

2. Products

2.1 MATERIALS

- A.** Flashing:
 - 1. Terne Coated Stainless Steel II (TCSII): Follansbee Steel Inc., State Street, P.O. Box 610, Follansbee, WV, 800/624-6906, or approved equal. Type 304 (18% chrome, 8% nickel) dead-soft stainless steel covered on both sides with Terne Alloy (50% zinc, 50% tin); 26 gauge for flashing, counter-flashing, and pole gutters.
- B.** Accessories:
 - 1. Fasteners for TCSII: Stainless Steel or lead-coated copper.
 - 2. Solder: ASTM Specification B-32, pure tin solder for Terne II and TCSII.
 - 3. Flux: Rosin flux for TCSII.

3. Execution

3.1 PREPARATION

- A.** Examine the areas and conditions under which work of this section will be performed. Correct conditions detrimental to timely and proper completion of the work. Do not proceed until unsatisfactory conditions are corrected. Surfaces to which sheet metal is to be applied shall be smooth, sound, clean, dry and free from loose materials, sharp projections or defects that might affect the application.
- B.** DO NOT commence flashing installation prior to approval of all submittals required by this section.
- C.** Install all flashing with steps and required shapes as shown on drawings or to conform to field conditions.

3.2 INSTALLATION

- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.
- B. Sheet Metal:
 - 1. Install sheet metal flashing and trim to withstand wind loads, structural movement, thermally induced movement, and exposure to weather without failing.
 - 2. Forming:
 - a. Accurate to necessary dimensions and shapes.
 - b. Make breaks/molded surfaces with true, sharp, and straight lines, arrises, and angles.
 - c. Plane surfaces shall be free from waves and buckles.
 - d. Generally, flashing shall be in lengths not exceeding 8' and free from longitudinal joints.
 - e. Cope intersections and solder securely.
 - f. Turn exposed edges back 1/2".
 - 3. Accurately position and align materials.
 - 4. Seams:
 - a. Lock seams: flat and true to line, sweated full of solder.
 - b. Lock seams and lap seams, soldered: at least 1/2" wide.
 - c. Lap seams, not soldered: lap according to pitch, 3" (min).
 - d. Lock and lap seams: in direction of flow.
 - 5. Expansion/Contraction joints:
 - a. Make watertight.
 - b. Provide for expansion and contraction.
 - c. Space at 25' -0" maximum, unless otherwise noted.
 - 6. Weatherproofing:
 - a. Finish watertight and weathertight.
 - 7. Joints not soldered:
 - a. Secure with rivet or sheet metal screws for strength and stiffness.
 - 8. Fastening:
 - a. Use clips or cleats. Provide continuous edge cleats where sheet metal extends over edges. Form edge cleats of 26 gauge TCSS at stainless steel flashing locations. Secure to building construction with brass screws spaced not more than 12" on centers. Install cleats in continuous, butted long lengths to allow metalwork to be hooked over lower edge not less than 3/4".
 - b. Do not nail unless authorized by the owner.
 - c. Spacing: 8" maximum.
 - d. Comply with manufacturer's instructions and recommendations and with SMACNA "Architectural Sheet Metal Manual." Allow for expansion. Isolate dissimilar materials.
 - 9. Conceal fasteners where possible. Install new work with laps and joints which will be permanently water tight and weatherproof.
- C. Soldering:

1. Solder joints:
 - a. Use solder/flux.
 - b. Thoroughly clean to bright metal with flux.
 - c. Use heavy soldering iron.
 - d. Solder slowly with well-heated iron.
 - e. Heat seams to completely fill with solder.
 - f. Make exposed soldering on finished surfaces neat, full flowing, and smooth.
 - g. Seams on slopes greater than 45 degrees should be soldered a second time to ensure that they are fully sweated. To prevent buckling (as necessary), spot puddle the solder and then fill in between the puddles.
 - h. Promptly remove all flux residue.
 2. Perform soldering off the building except for final closure/assembly.
 - a. Post and maintain fire watch during and after soldering on the building.
- D. Cleaning Up:**
1. Comply with Article 3.15 of General Conditions in Part 4.
 2. Clean all exposed sheet metal surfaces as each section of the work is completed. Remove all flux, excess solder, scraps and dirt immediately. Neutralize excess flux with a 5% to 10% solution of washing soda followed by washing with clear water. Avoid staining or discoloring adjacent surface.
 3. Restore damaged components and finishes. Clean and protect work from damage.

SECTION 07900 - Joint Sealants

1. General

1.1 DESCRIPTION

- A.** Provide sealants at intersection of building components.

1.2 SUBMITTALS

- A.** Submit for approval:

1. Samples of each type and color of joint sealant required. Install joint sealant samples in 1/2" wide joints formed between two 6" long strips of material matching the appearance of exposed surfaces adjacent to joint sealants.
2. Product data from manufacturers for each joint sealant product required.
 - a. Certification by joint sealant manufacturer that sealants plus the primers and cleaners required for sealant installation comply with local regulations controlling use of volatile organic compounds.
 - b. Certificates from manufacturers of joint sealants attesting that their products comply with specification requirements and are suitable for the use indicated.
 - c. Compatibility and adhesion test reports from elastomeric sealant manufacturer indicating that materials forming joint substrates and joint sealant backings have been tested for compatibility and adhesion with joint sealants. Include sealant manufacturer's interpretation of test results relative to sealant performance.

- d. Product test reports for each type of joint sealants indicated, evidencing compliance with requirements specified.
3. Preconstruction field test reports indicating which products and joint preparation methods demonstrate acceptable adhesion to joint substrates.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations.
- B. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Obtain joint sealant materials from a single manufacturer for each different product required.
 1. Submit to joint sealant manufacturers samples of materials that will contact or affect joint sealants for compatibility and adhesion testing as indicated below:
 - a. Perform tests under normal environmental conditions that will exist during actual installation.
 2. Submit not less than 3 pieces of each type of material, including joint substrates, shims, joint sealant backings, secondary seals, and miscellaneous materials.
 3. Schedule sufficient time for testing and analysis of results to prevent delay in the progress of work.
 4. Investigate materials failing capability or adhesion tests, and obtain joint sealant manufacturer's written recommendations for corrective measures, including use of specially formulated primers.
 5. Provide comprehensive test data for each type of joint sealant based on tests conducted by a qualified independent testing laboratory on current product formulations within a 24 month period preceding date of Contractor's submittal of test results to Architect.
 - a. Test elastomeric sealants for compliance with requirements as specified by reference to ASTM C 920. Include test results for hardness, stain resistance, adhesion and cohesion under cyclic movement (per ASTM C 719), low-temperature flexibility, modulus of elasticity at 100% strain, effects of heat aging, and effects of accelerated weathering.
 6. Prior to installation of joint sealants, field test their adhesion to joint substrates as follows:
 - a. Locate test joints where indicated or, if not indicated, as directed by Architect.
 - b. Conduct field tests for each type of elastomeric sealant and joint substrate indicated.
 - c. Notify Architect one week in advance of the dates and times when mock-ups will be erected.
 - d. Arrange for tests to take place with joint sealant manufacturers technical representative present.
 - e. Test joint sealants by hand pull method.
 1. Install joint sealants in 60" joint lengths using same materials and methods for joint preparation and joint sealant installation required for completed work. Allow sealants to cure fully before testing.

2. Make knife cuts horizontally from one side of the joint to the other followed by two vertical cuts approximately 2" long at side of joint and meeting horizontal cut at top of 2" cuts. Place a mark 1" from top of 2" piece.
 3. Use fingers to grasp 2" piece of sealant just above 1" mark; pull firmly down at a 90 degree angle or more while holding a ruler along side of sealant. Pull sealant out of joint to the distance recommended by sealant manufacturer for testing adhesive capability, but not less than that equaling specified maximum movement capability in extension; hold this position for 10 seconds.
 - f. Report whether or not sealant in joint connected to pulled out portion failed to adhere to joint substrates or tore cohesively. Include data on pull distance used to test each type of product and joint substrate.
 - g. Sealants not evidencing adhesive failure from testing, in absence of other indications of noncompliance with requirements will be considered satisfactory. Do not use sealants that fail to adhere to joint substrates during testing.
- C. Use experienced installers. Do not proceed with installation when:
1. Ambient and substrate conditions are outside the limits permitted by joint sealant manufacturer.
 2. When joint substrates are wet.
 3. Where joint widths are less than allowed by joint sealant manufacturer for application indicated.
 4. Until contaminants capable of interfering with their adhesion are removed from joint substrates.
- D. Deliver, handle, and store materials in accordance with manufacturer's instructions. Products should be in unopened containers or bundles with labels indicating manufacturer, product name and designation, color, expiration period for use, pot life, curing time, and mixing instructions for multi-component materials.
- E. Store and handle materials in compliance with manufacturer's recommendations to prevent their deterioration or damage due to moisture, high or low temperatures, contaminants, or other causes.

2. Products

2.1 MATERIALS

- A. Joints designed for expansion and movement conditions at site:
1. Exterior joints on vertical surfaces: Non-sag polyurethane; Tremco Dymonic or approved equal.
 2. Primers, bond breakers, and backer rods compatible with sealant and adjacent surfaces.

3. Execution

3.1 INSTALLATION

- A. Examine substrate; report unsatisfactory conditions in writing. Beginning work means acceptance of substrates.
- B. Provide sealants in colors as selected by Architect from manufacturer's standards.

- C. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections. Clean and prime joints, and install bond breakers, backer rods and sealant as recommended by manufacturers.
- D. Depth shall equal width up to 1/2" wide; depth shall equal 1/2 width for joints over 1/2" wide, except fill joints completely with fire-retardant products.
- E. Cure and protect sealants as directed by manufacturers. Replace or restore damaged sealants. Clean adjacent surfaces to remove spillage.

END OF DIVISION 7 - THERMAL & MOISTURE PROTECTION

FINISHES

9

SECTION 09900 - Painting

1. General

1.1 DESCRIPTION

- A. Provide painting and surface preparation for all exterior surfaces, including electrical and mechanical equipment, except masonry:
 - 1. Base Bid
 - 2. Add-Alternate 2
 - 3. Add-Alternate 3

1.2 SUBMITTALS

- A. Submit for approval samples, product data, mock-ups, extra stock.
- B. Submit a drawdown of each color match to the Architect for approval of the color match and obtain a report to certify the approval of each color match.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Colors
 - 1. Trim shall be painted white to match existing.
 - 2. Flashing shall be painted to blend with adjacent surfaces:
 - a. Chimney flashing to match chimney color.
 - b. Drip edges to be painted to match trim.
 - c. Wall flashing at rear porch to be left unpainted.
- C. Color Matching
 - 1. All color matching should be done in standard conditions of illumination. Illumination will be average daylight and tungsten light (3000K) for visual evaluation and will be illuminate/observer C², specular component excluded (SCE) for any spectrophotometric measurement. Do not use fluorescent illumination in the color matching process.
- D. Color Measurement and Evaluation
 - 1. Each drawdown submitted to the Architect will be evaluated visually. The standard conditions of illumination will apply - average daylight and tungsten light (3000K) for visual evaluation.
- E. Final Acceptance

1. The final acceptance of all samples for color and appearance will be from job applied samples. Provide a brush-out (drawdown) of each color of paint brought to the job. Present the dried brush-out to the Architect for visual comparison.
2. Provide final paint source and color formulation on each color in a letter to the Architect. This information will be used for any maintenance painting in the near future.
3. Provide any unused paint, in original containers, to Owner for future use (touch-ups).

2. Products

- 2.1** First-line standard products for all systems by Sherwin Williams, Benjamin-Moore, Pratt and Lambert, Finnaren & Haley, Glidden, or approved equal. If using Sherwin-Williams or other brands with a color-prime system, use the color-prime primer indicated for the chosen colors.

2.2 EXTERIOR PAINT SYSTEMS:

- A.** Wood for opaque finish: Paintable water repellent preservative; Alkyd primer; alkyd enamel, 2 coats.

2.3 ACCESSORIES:

- A.** Chlorothalonil: Mildewcide supplement to be added to exterior paint. Verify compatibility with manufacturer.

3. Execution

3.1 INSTALLATION

- A.** Inspect surfaces, report unsatisfactory conditions in writing; beginning work means acceptance of substrate.
- B.** Comply with manufacturer's instructions and recommendations for preparation, priming and coating work. Add mildewcide to exterior paints and apply paintable water repellent preservative to exterior wood. Coordinate with work of other sections.
1. General: Clean surfaces thoroughly to remove dirt, chalk, mildew, organic growth efflorescence, oil, grease or other surface deposits. Seal knots and sap streaks with a generous coat of Latex Primer/Stain Sealer after removing excess sap by treating with a heat gun and scraping. Remove rust and scale from ferrous material. Completely remove peeling paint from masonry.
 2. Previously painted surfaces: To obtain proper adhesion, glossy or protected surfaces, such as porch ceilings, supports, overhangs, and areas not directly exposed to the weather, must be sanded and hosed down with plenty of water. Allow to dry. Scrape off all loose, scaling, or peeling paint and sand edges smooth. Sand all weathered bare wood areas. Old paint showing bad cracking, flaking, peeling, alligatoring, or blistering must be completely removed per Section 02080 above. Treat as an unpainted surface. Blistering and peeling are most often caused by moisture entering in, or trapped within a structure. Correct structural defects and provide venting where required before repainting. To remove dirt and chalk, scrub with detergent and water, thoroughly rinse and allow to dry. After cleaning, if mildew is present, remove by scrubbing with a mixture of one quart hypochlorite bleach in three quarts of water. Rinse thoroughly with clean water and allow to dry. All water applications shall be low pressure, maximum 600 psi at the nozzle.

3. Existing Wood: All surfaces not treated with epoxy will be treated with a combined "natural" consolidant composed of equal parts boiled linseed oil, gum turpentine, and spar varnish. Apply two coats, allow twenty four hours before application of primer coat.
 4. New Wood: All newly installed wood must be primed and edge-primed on all surfaces prior to installation.
- C. Match approved mock-ups for color, texture, pattern and coverage. Re-coat or remove and replace work which does not match.
- D. Clean up, touch up and protect work.

END OF DIVISION 9 - FINISHES